

ICONOGRAPHIC  
ENCYCLOPÆDIA  
OF  
SCIENCE, LITERATURE, AND ART.

BY  
J. G. HECK.

THE TEXT TRANSLATED AND EDITED  
BY  
SPENCER F. BAIRD, A.M., M.D.,  
PROFESSOR OF NATURAL SCIENCES IN DICKINSON COLLEGE, CARLISLE, PA.

---

P L A T E S .  
V O L . I .

CONTAINING THE ILLUSTRATIONS TO DIVISIONS I.—IV.

I.—MATHEMATICS AND ASTRONOMY.

II.—NATURAL SCIENCES.


III.—GEOGRAPHY.

IV.—HISTORY AND ETHNOLOGY.

---

NEW YORK: 1851.  
PUBLISHED BY RUDOLPH GARRIGUE,  
2 BARCLAY STREET (ASTOR HOUSE).





ICONOGRAPHIC  
E N C Y C L O P Æ D I A .

DIVISION I.

MATHEMATICS AND ASTRONOMY.

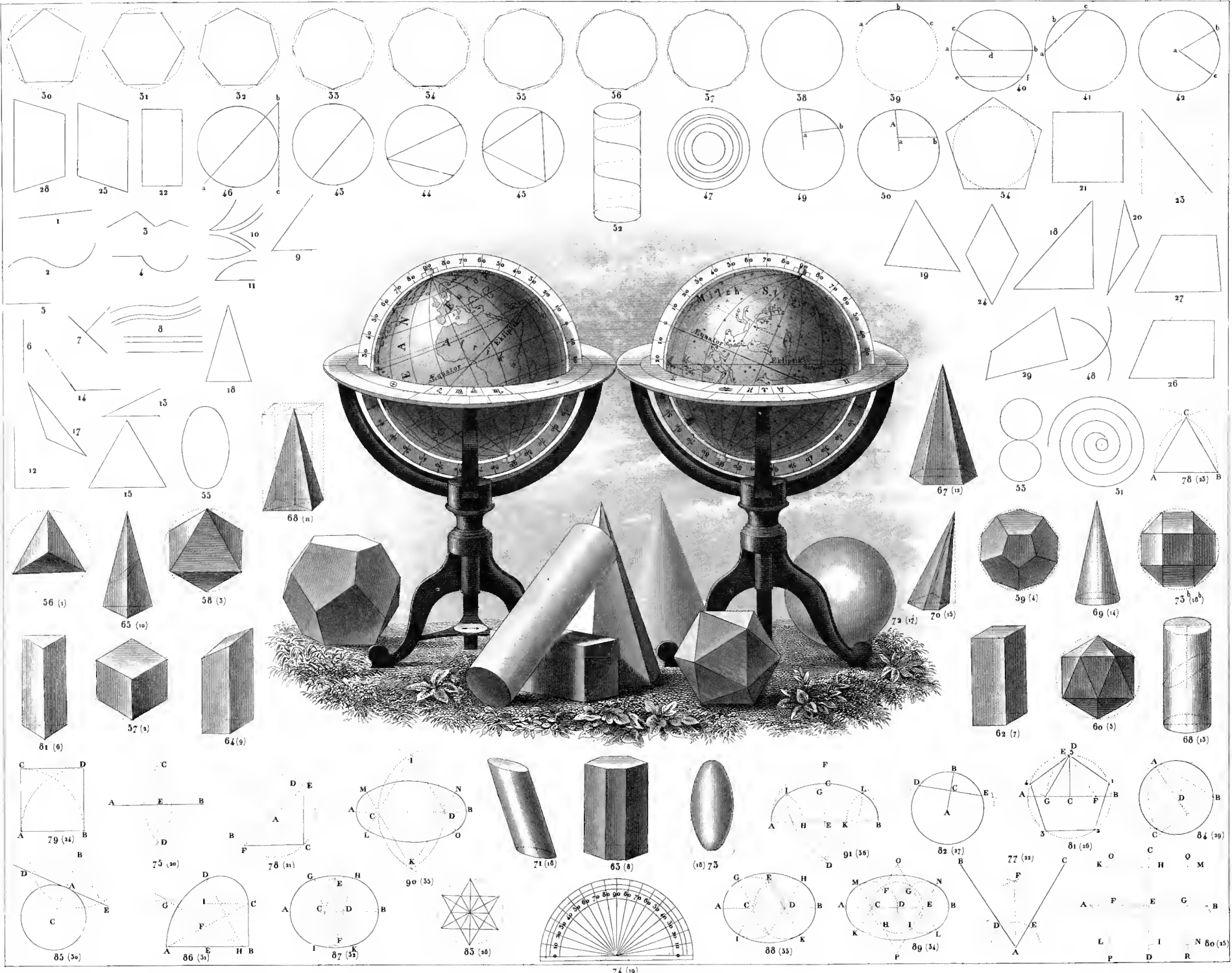
FOURTEEN PLATES.

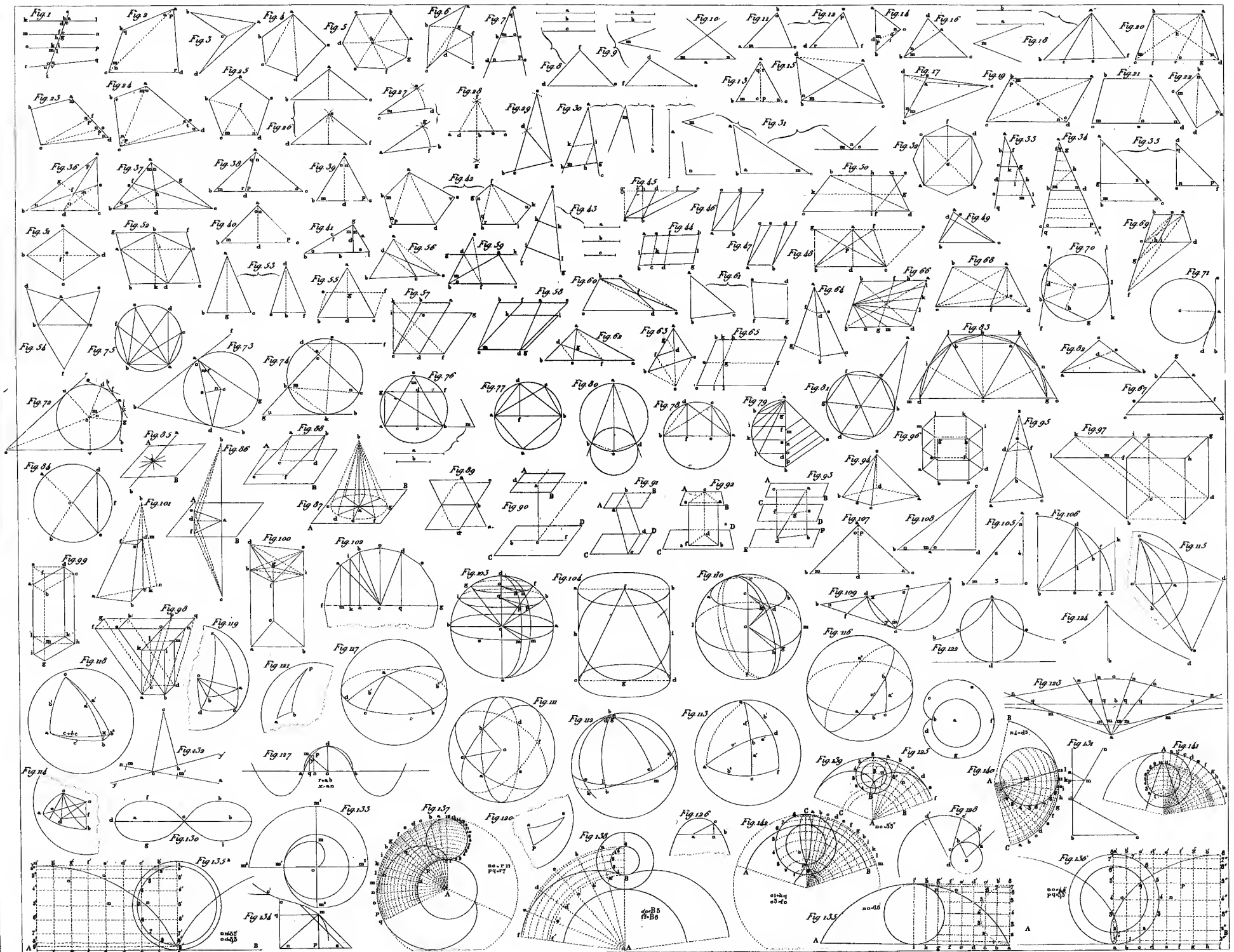
---

NEW YORK: 1851.  
PUBLISHED BY RUDOLPH GARRIGUE,  
2 BARCLAY STREET (ASTOR HOUSE).

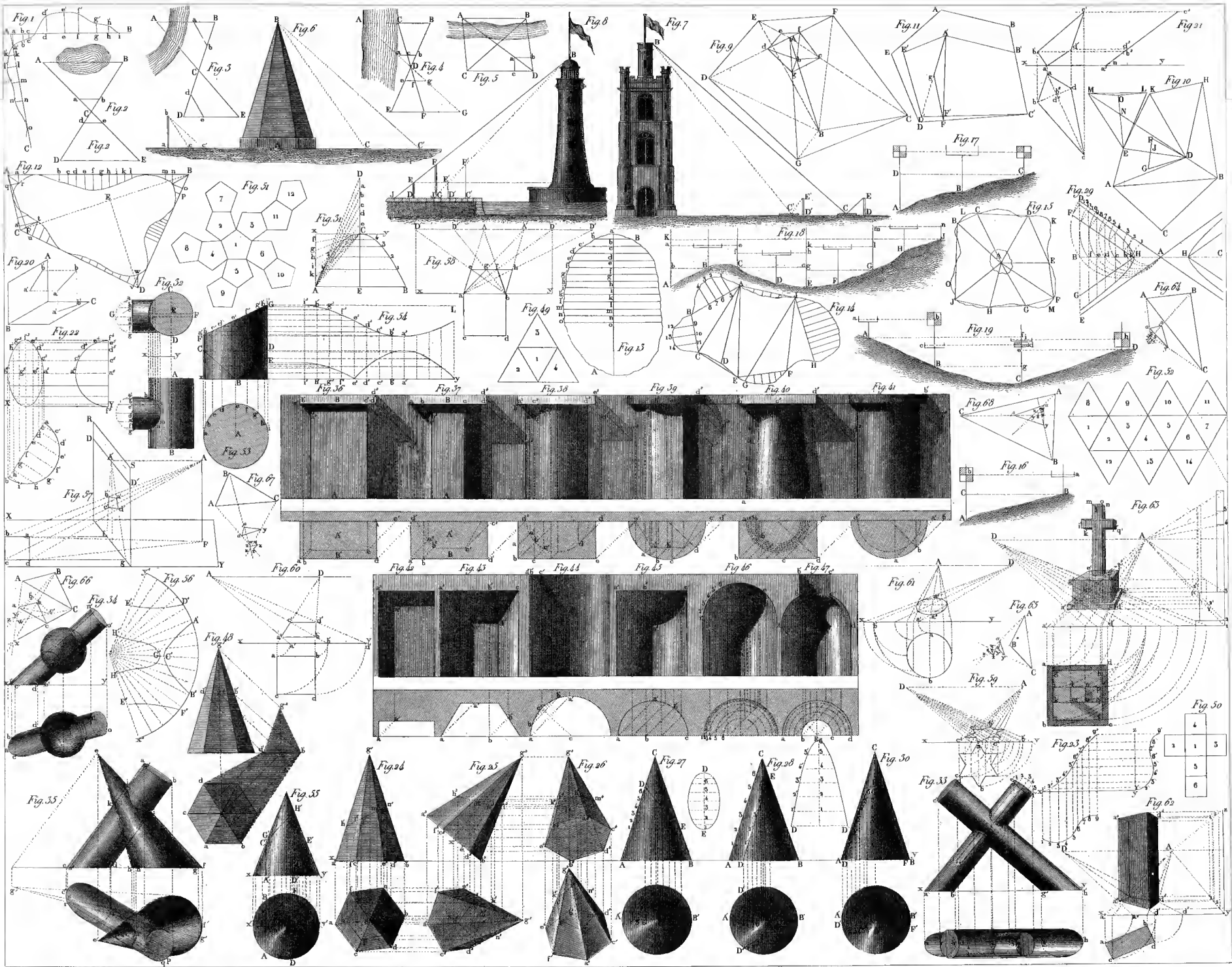




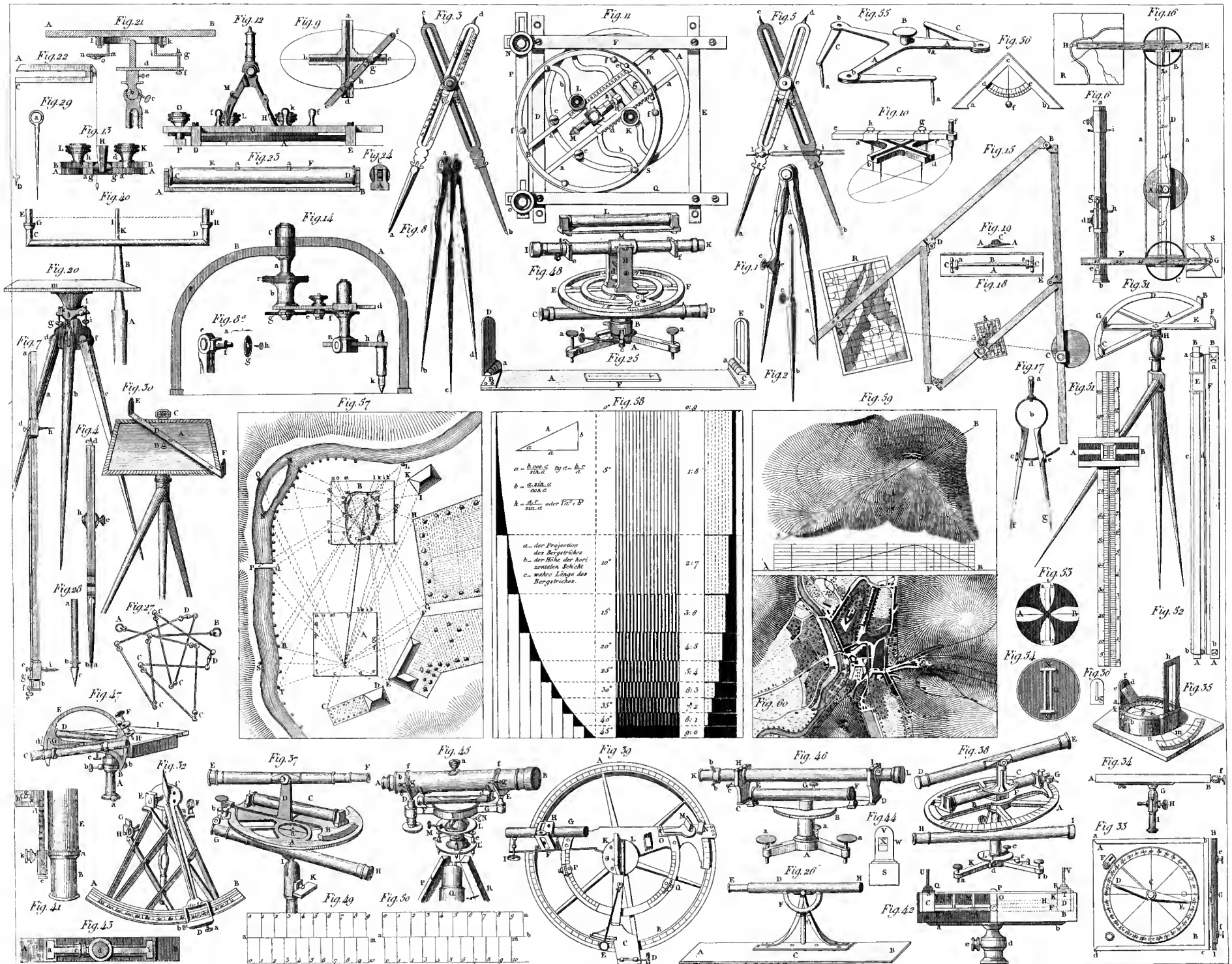


















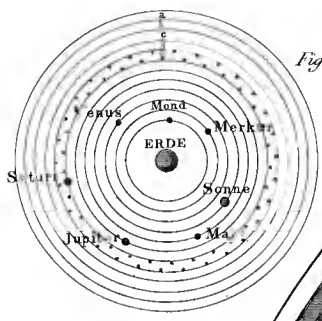


Fig. 1

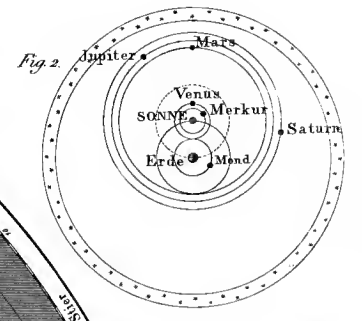


Fig. 2

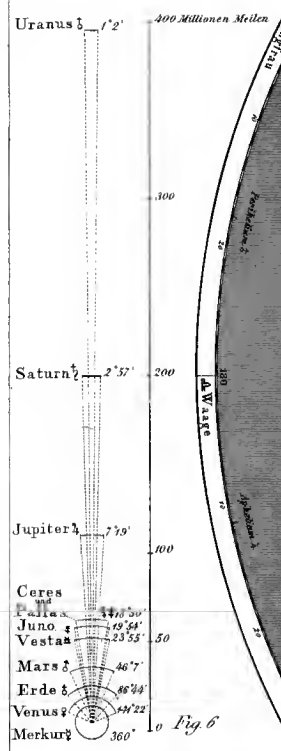


Fig. 6

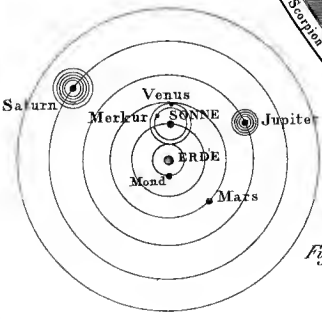


Fig. 3

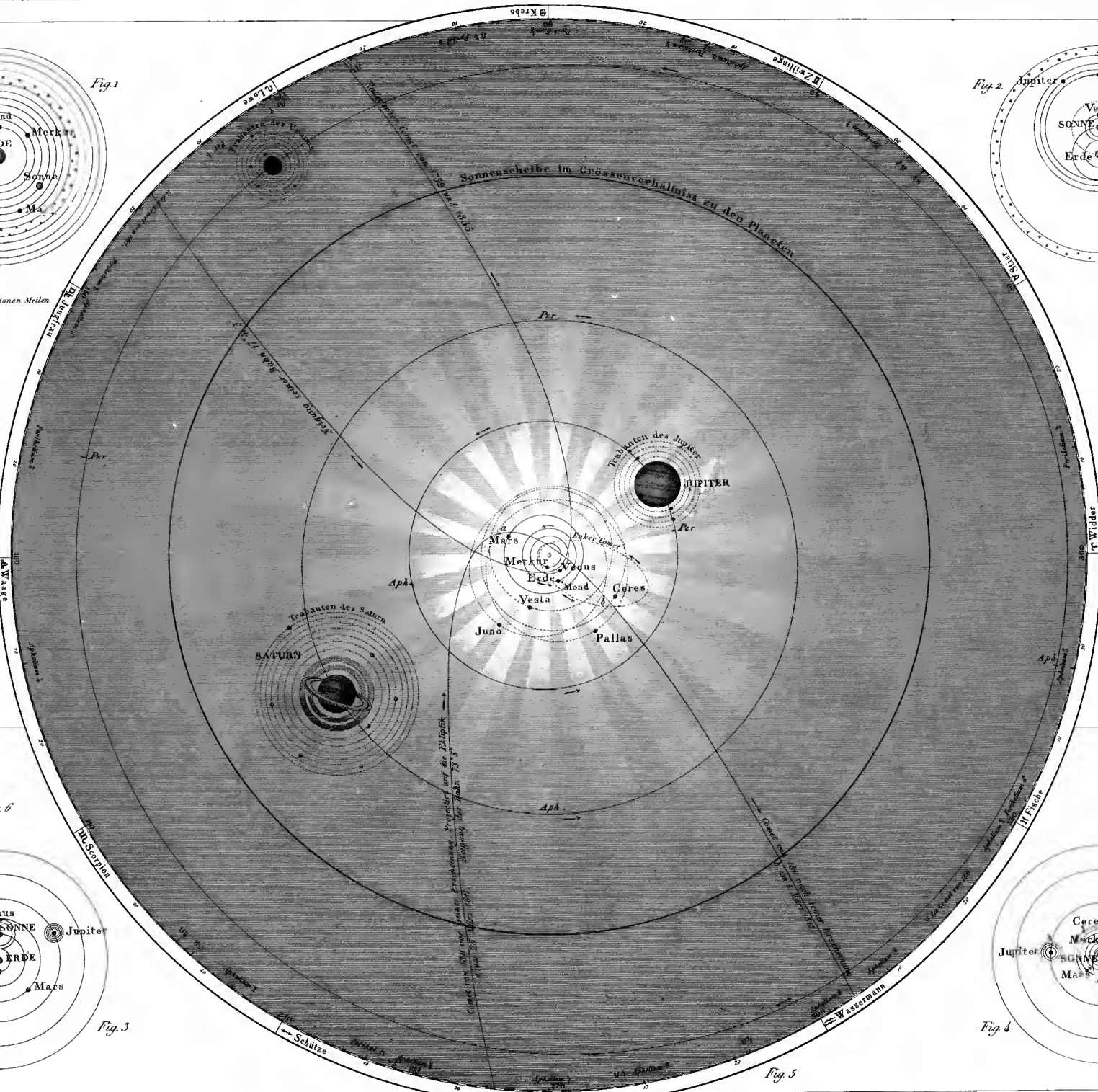


Fig. 5

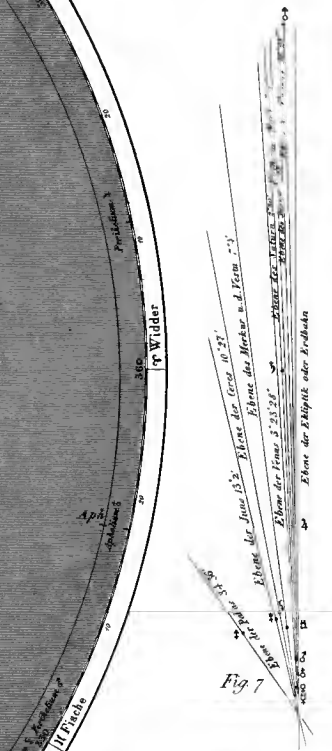
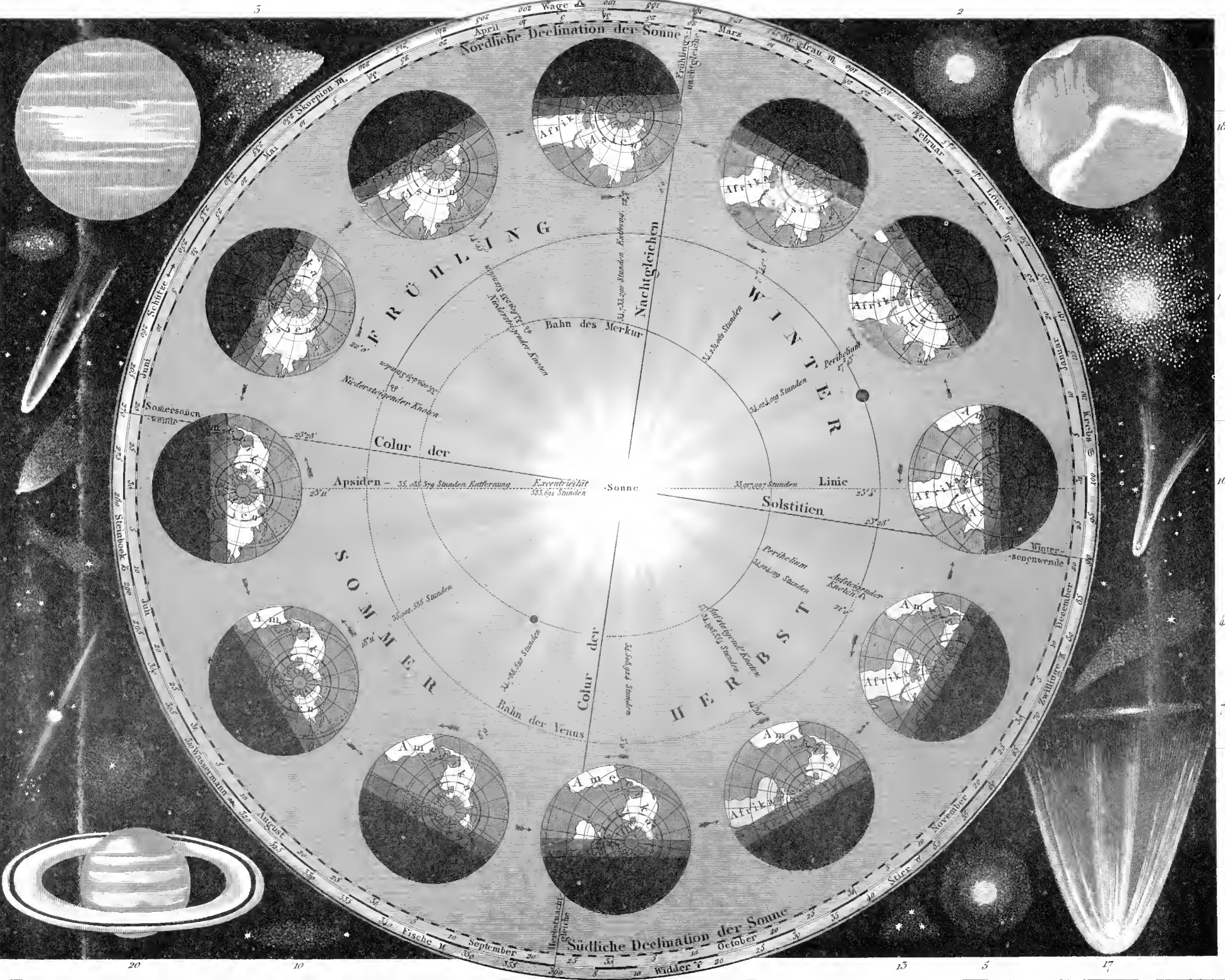


Fig. 7



Fig. 4





Nordliche Declination der Sonne

Südliche Declination der Sonne

FRÜHLING

WINTER

SOMMER

HERBST

Bahn des Merkur

Bahn der Venus

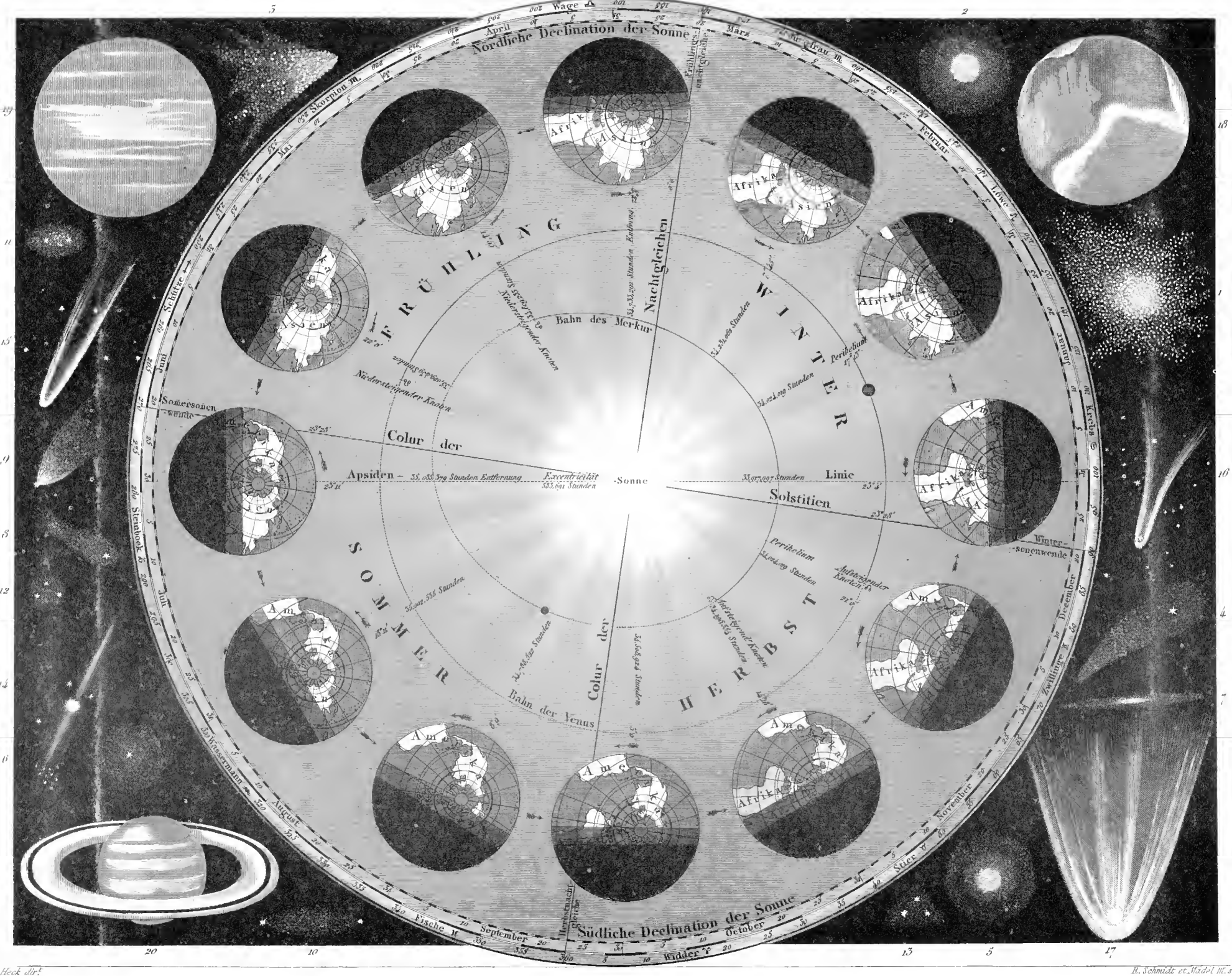
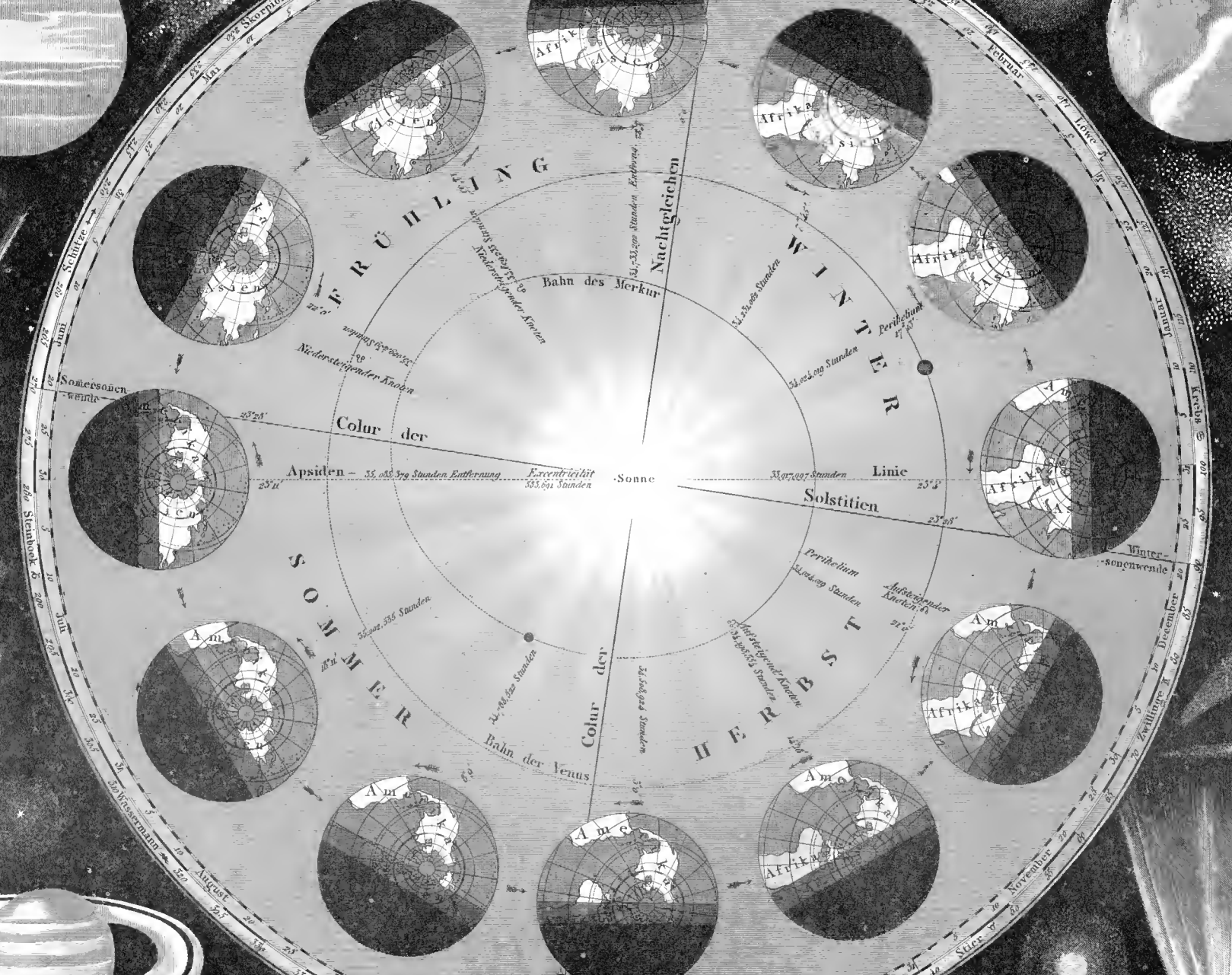
Sonne

Color der Apsiden

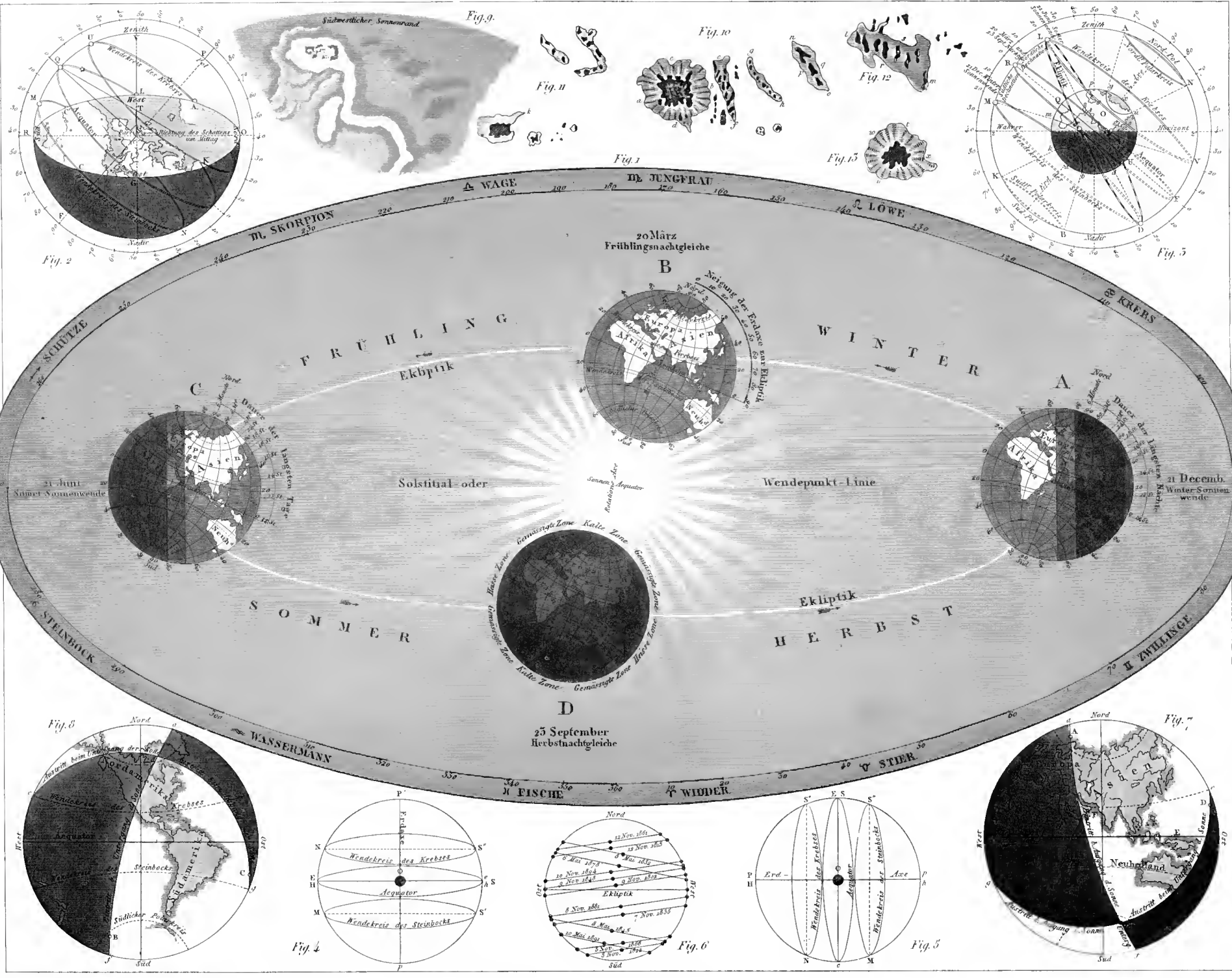
Solstitien

Nächtergleichen

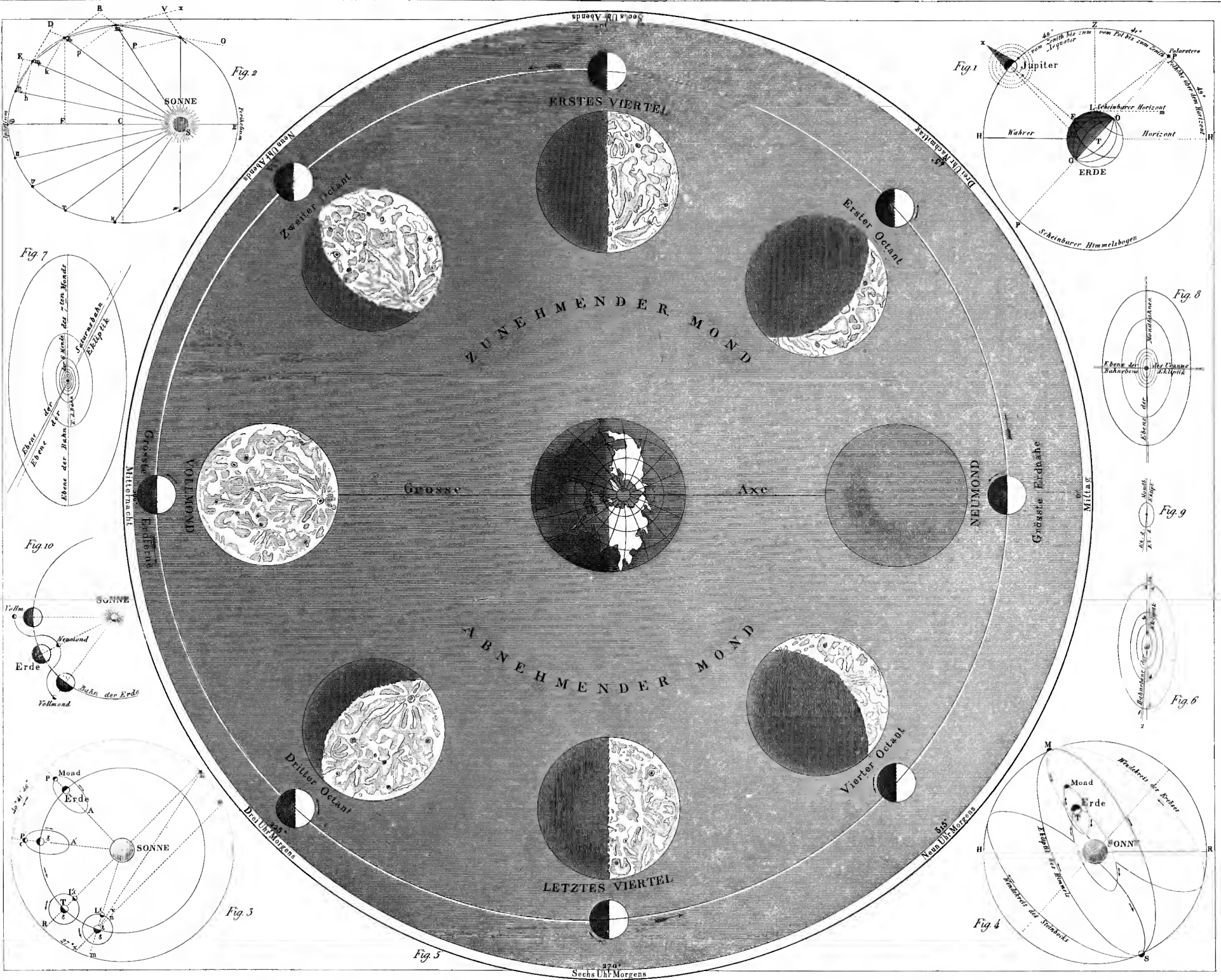
Color der Apsiden







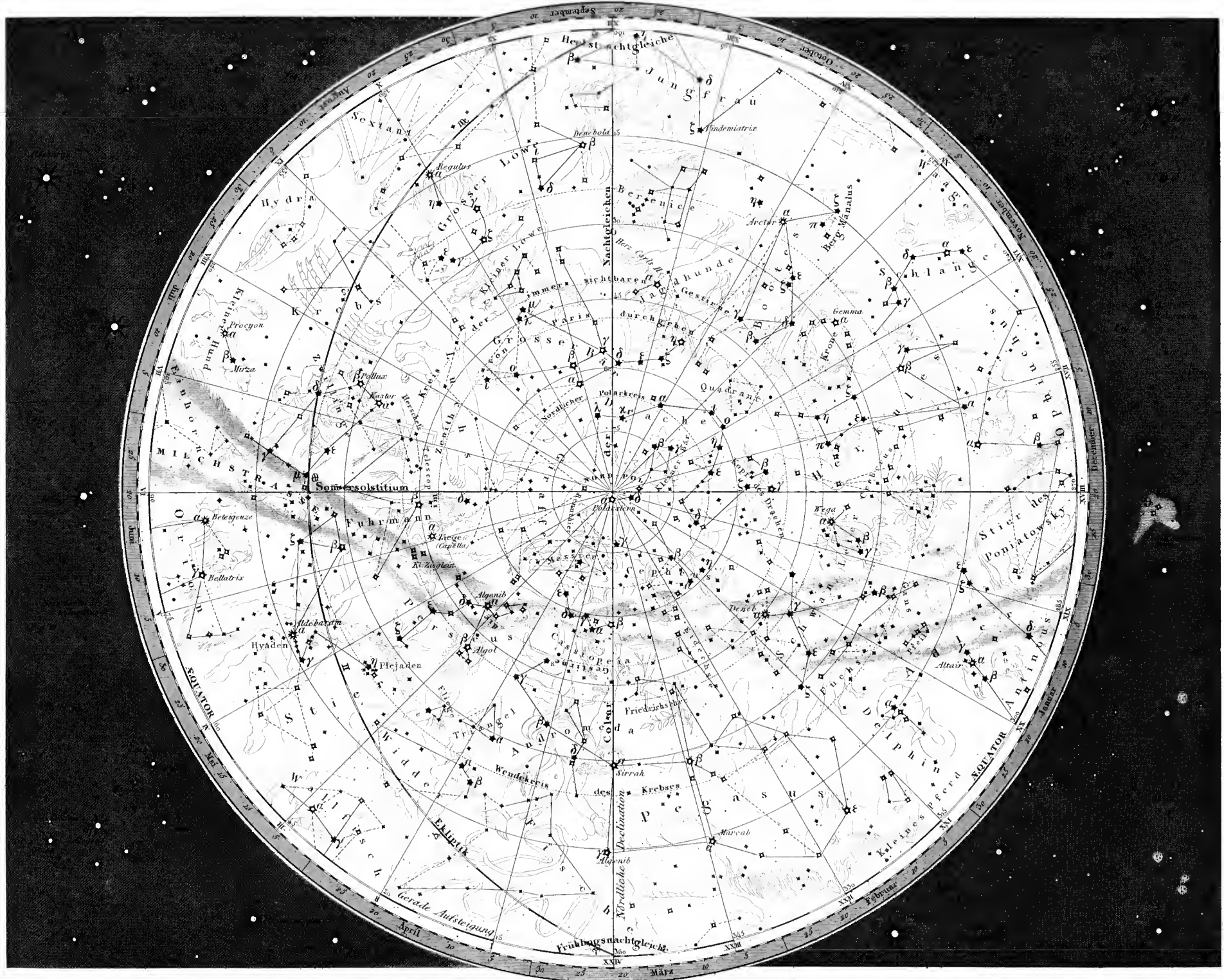




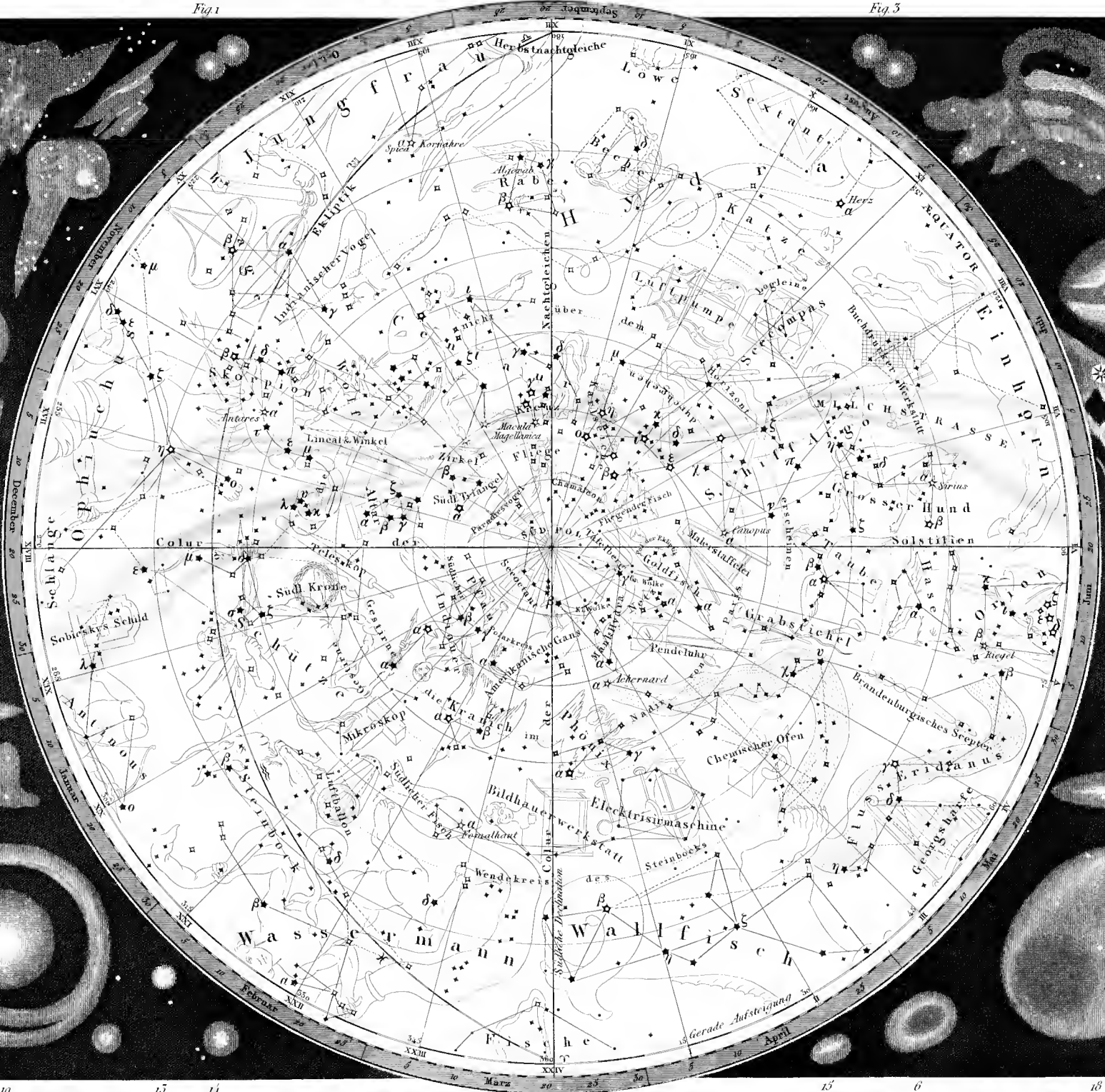








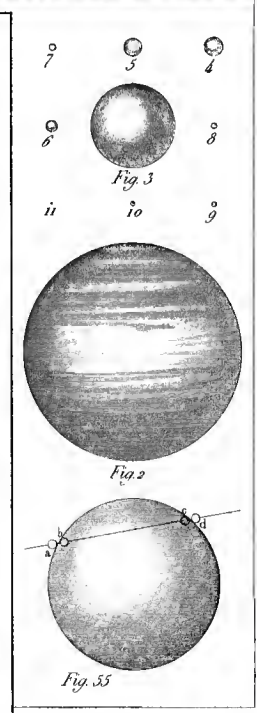
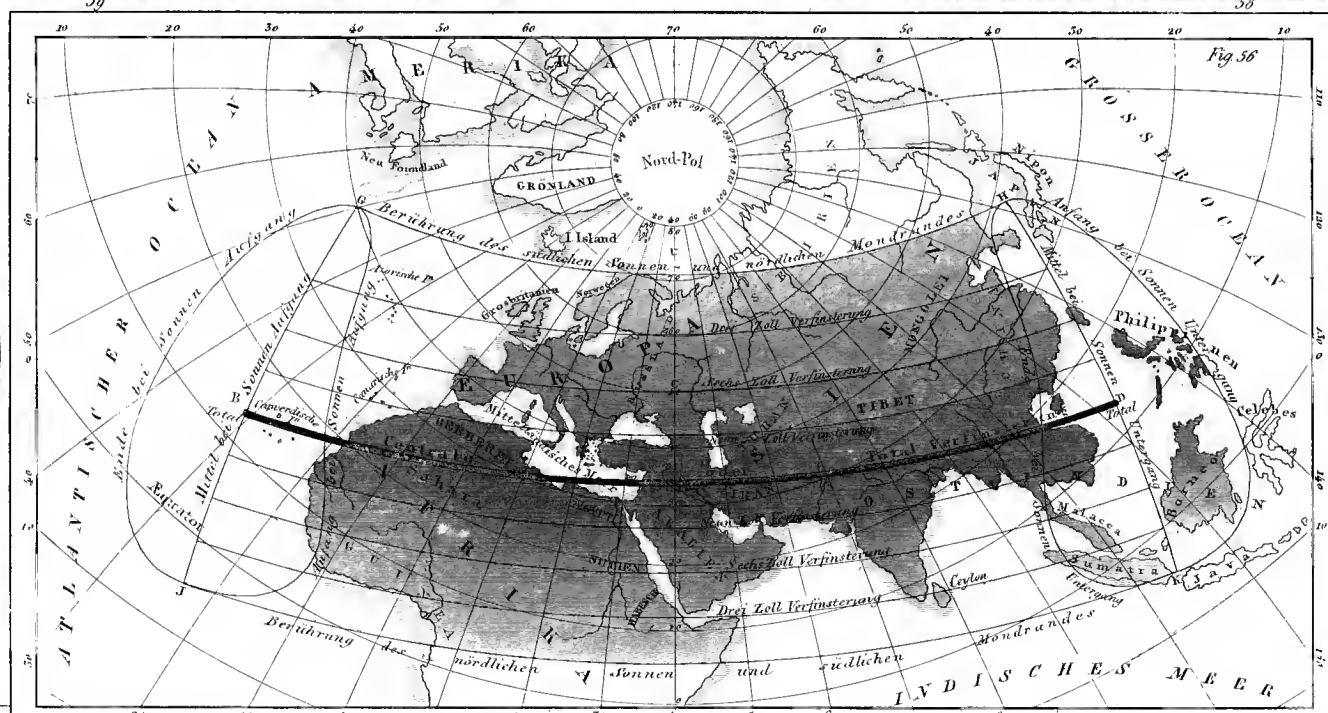
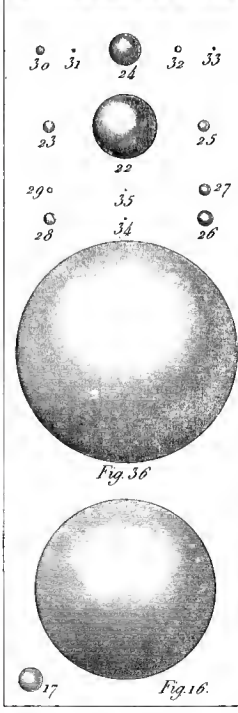
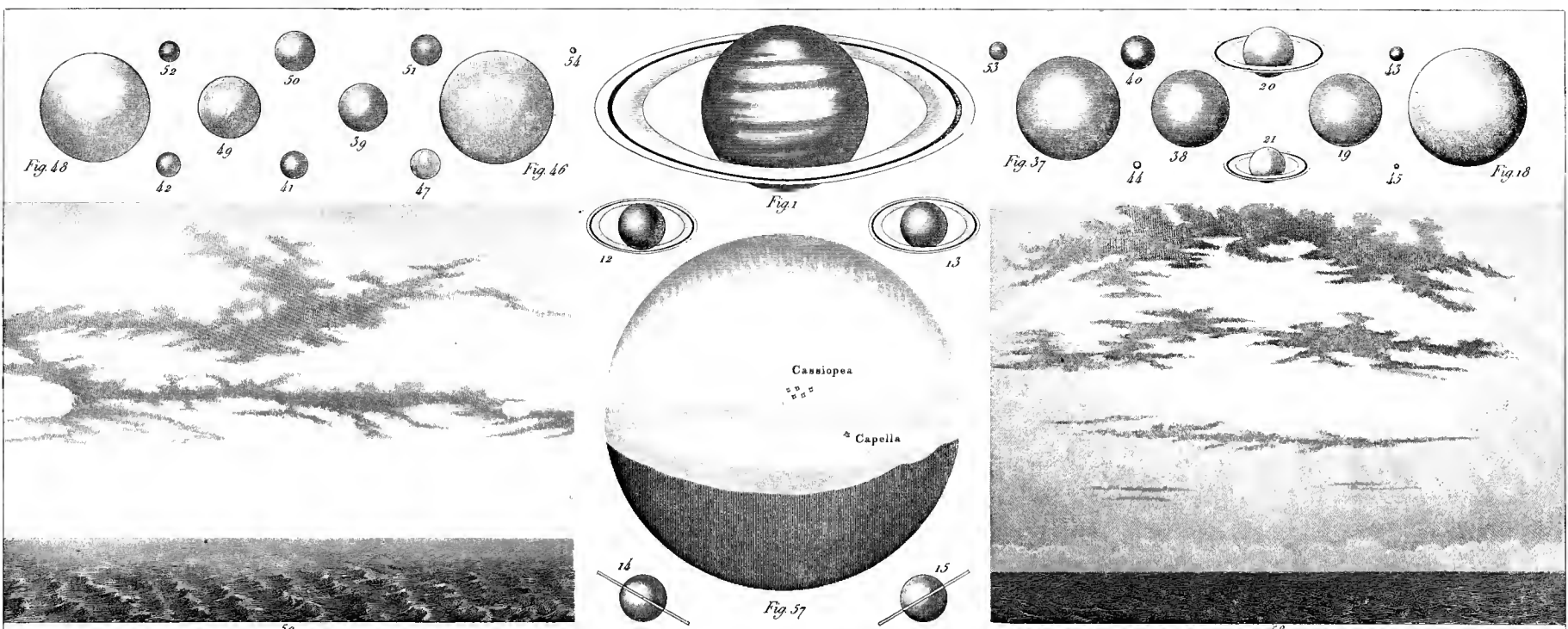




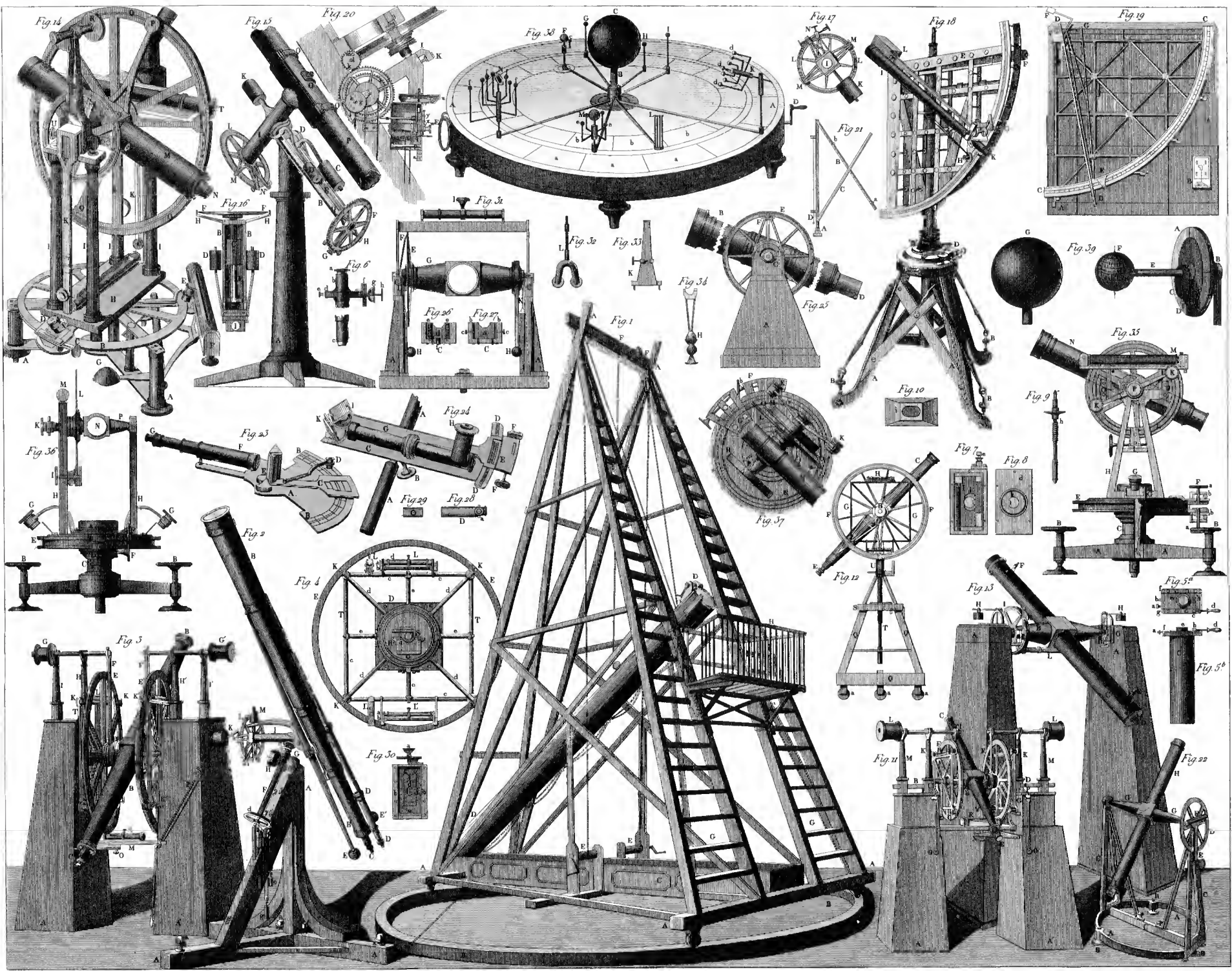
9  
2  
10  
5  
7  
4

17  
8  
20  
12  
16  
11











ICONOGRAPHIC  
E N C Y C L O P Æ D I A .

DIVISION II.

NATURAL SCIENCES

COMPRISING

PHYSICS AND METEOROLOGY, CHEMISTRY, GEOGNOSEY AND GEOLOGY, BOTANY,  
ZOOLOGY, AND ANTHROPOLOGY.

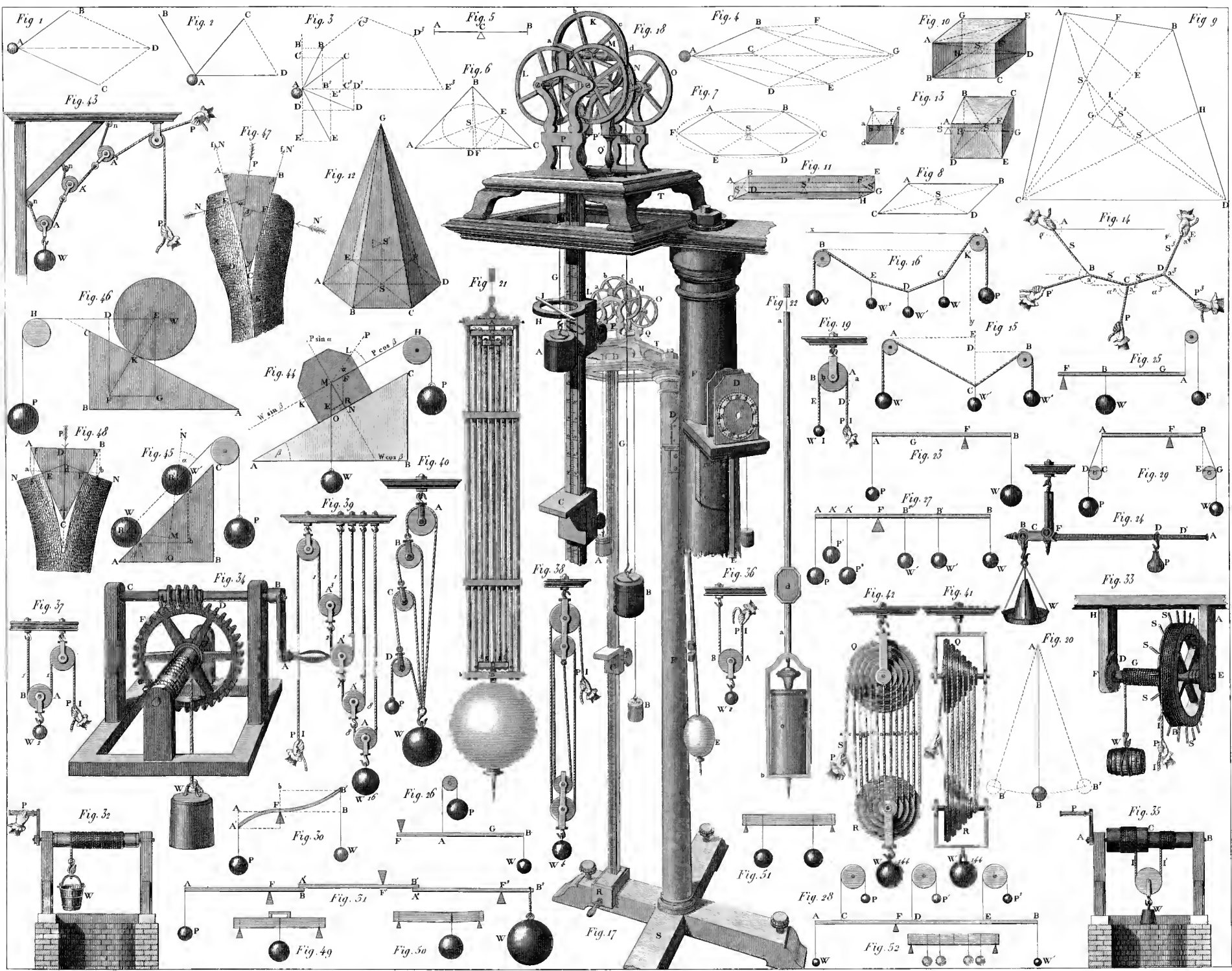
ONE HUNDRED AND TWENTY-FOUR PLATES.

---

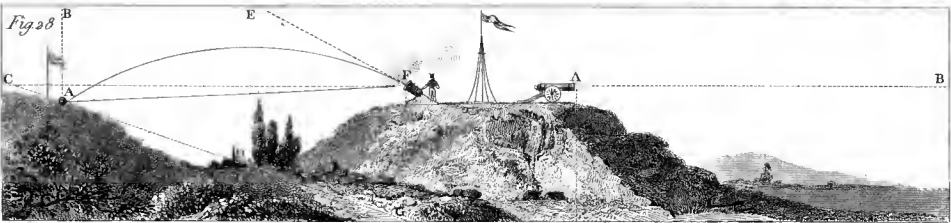
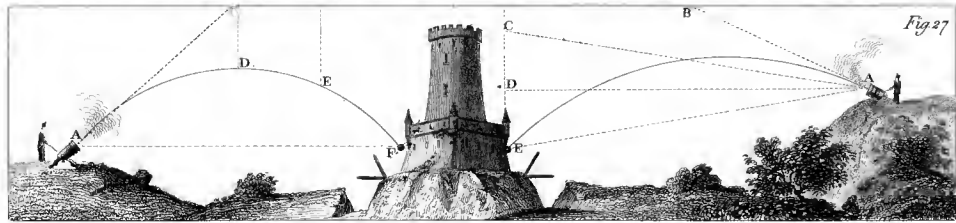
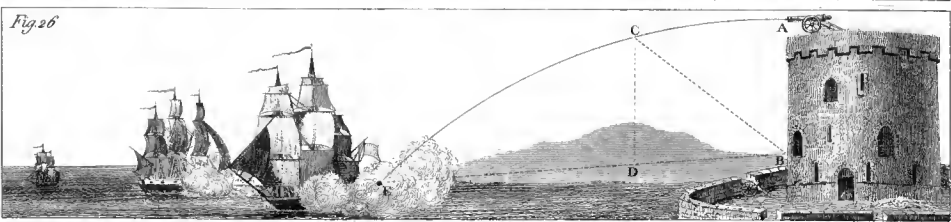
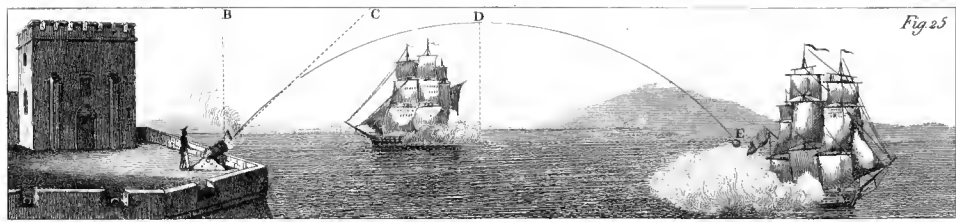
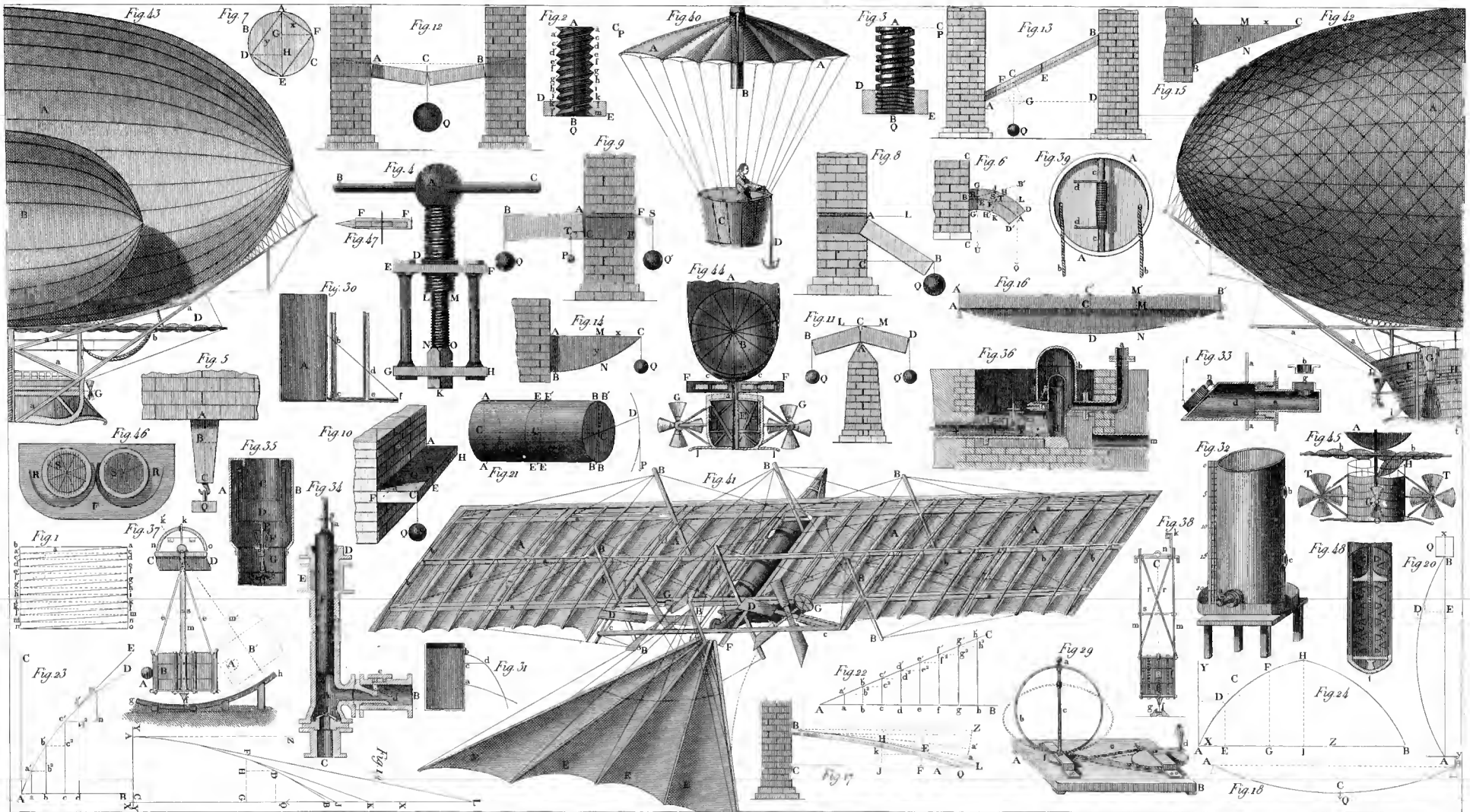
NEW YORK: 1851.  
PUBLISHED BY RUDOLPH GARRIGUE,  
2 BARCLAY STREET (ASTOR HOUSE).



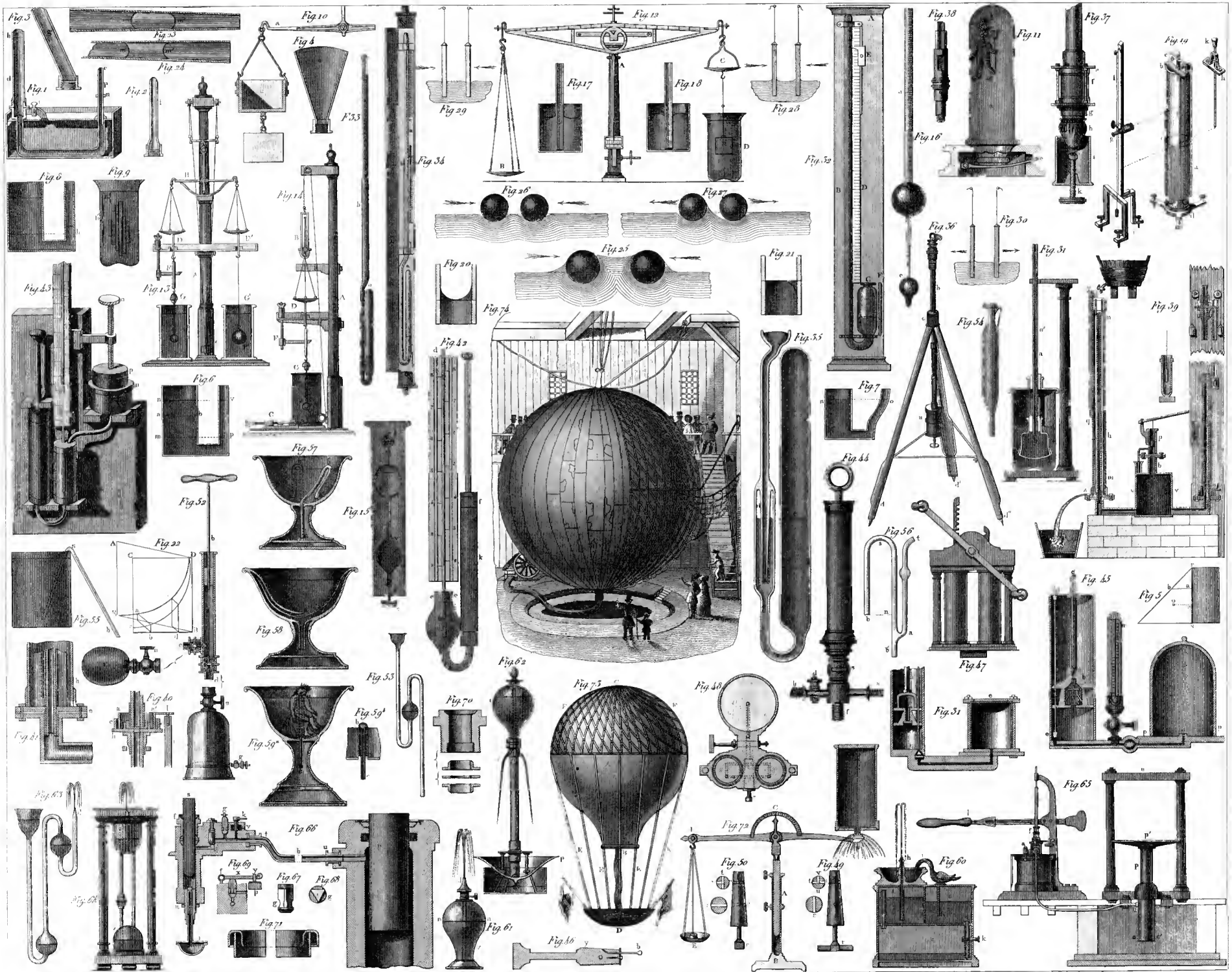




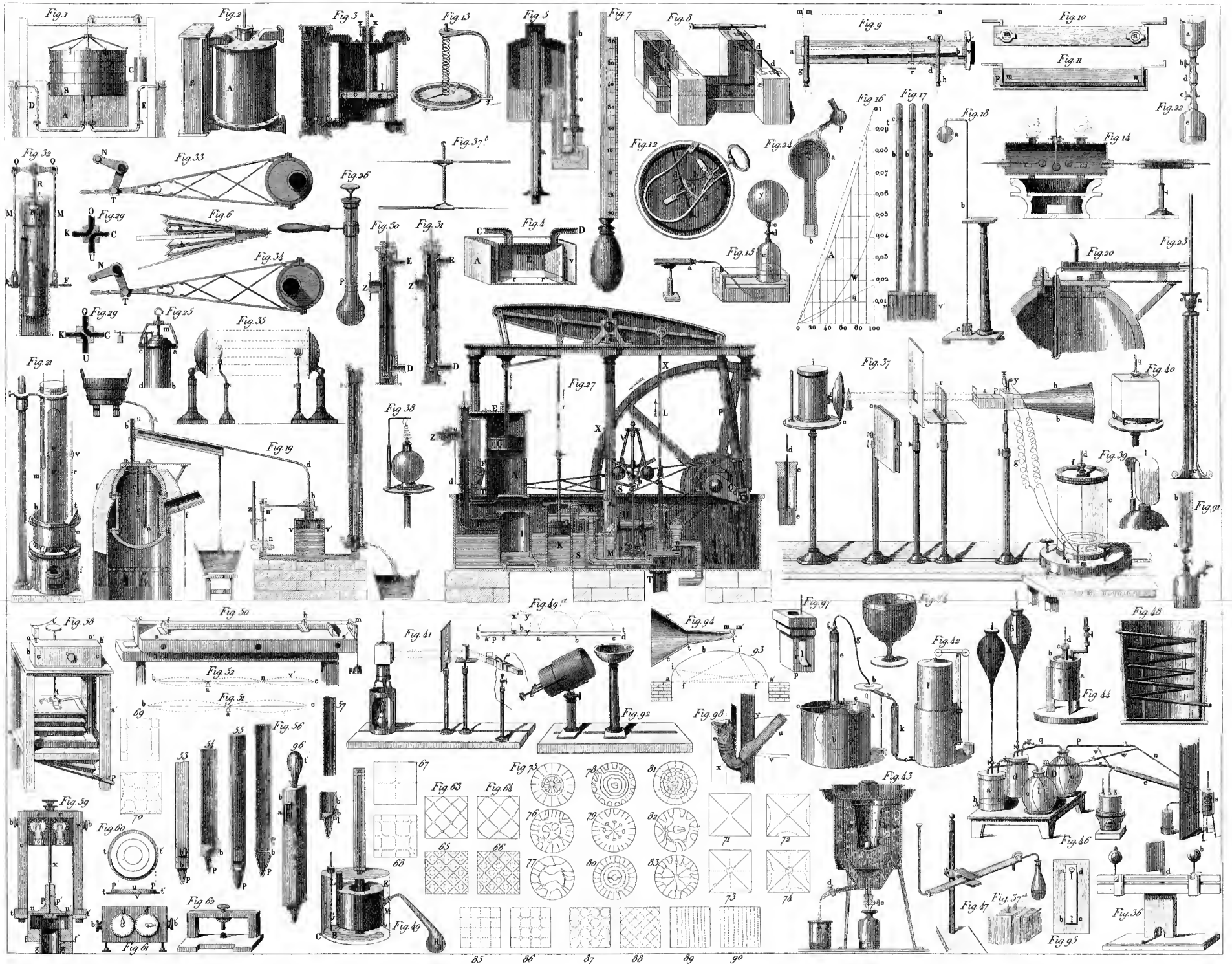




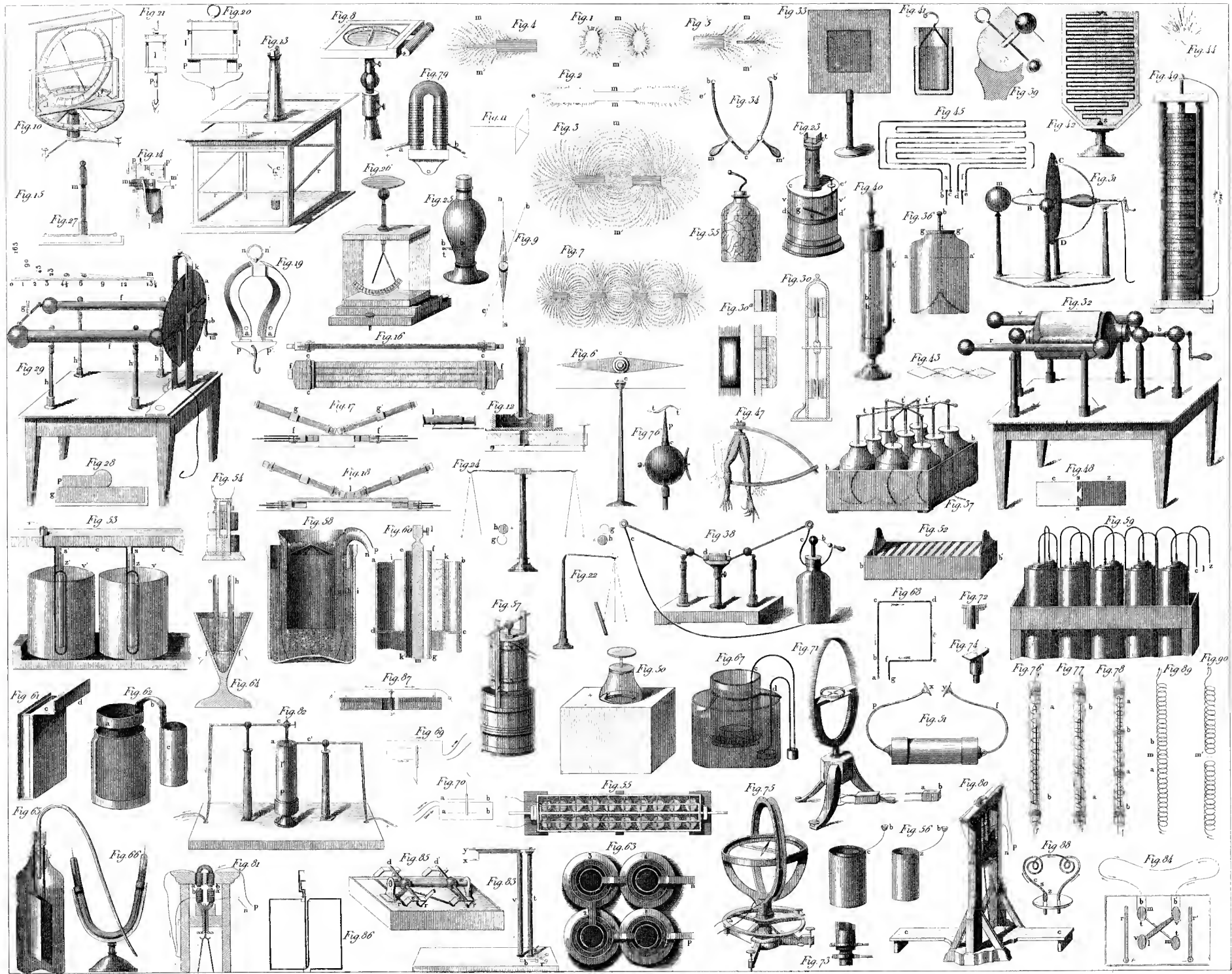




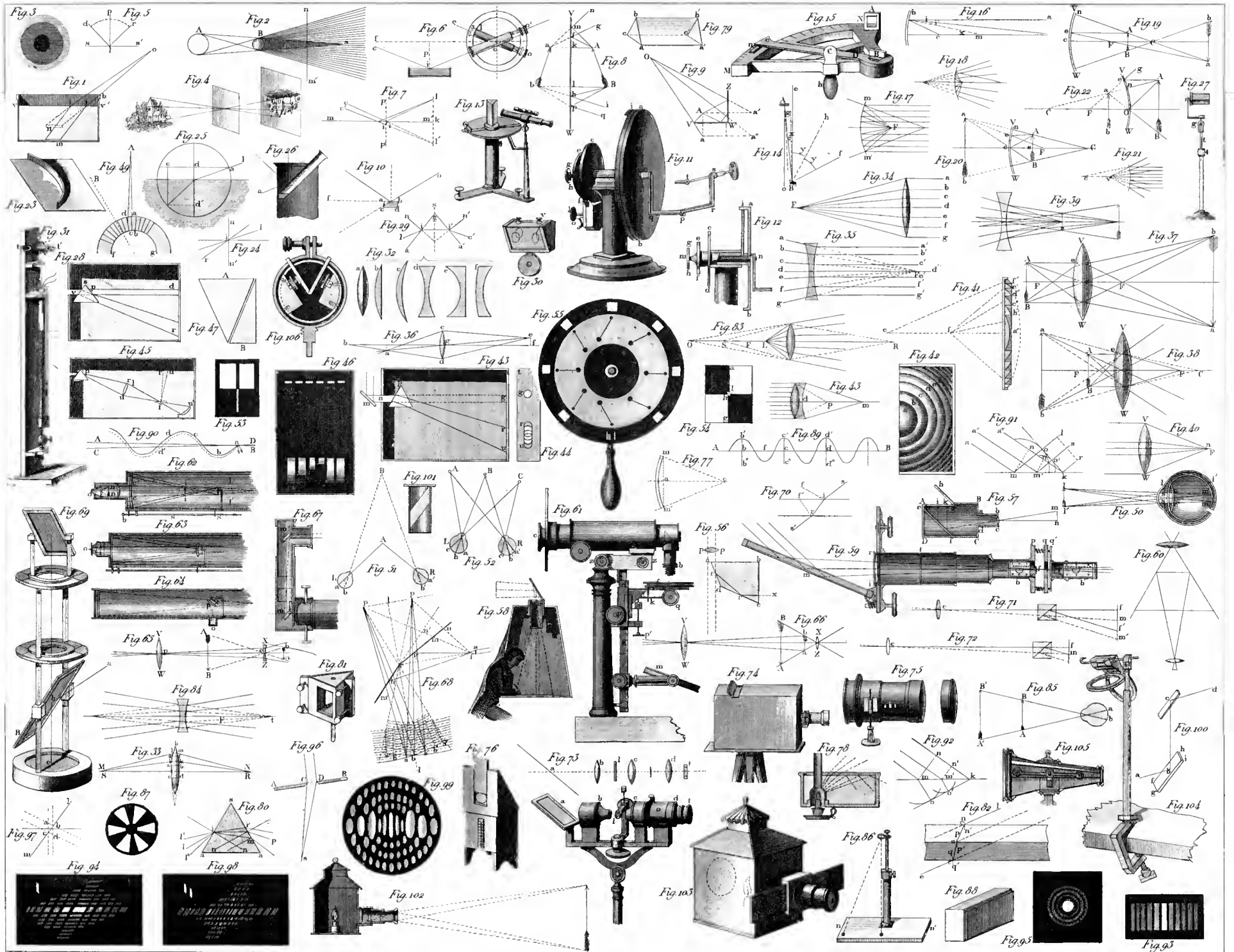




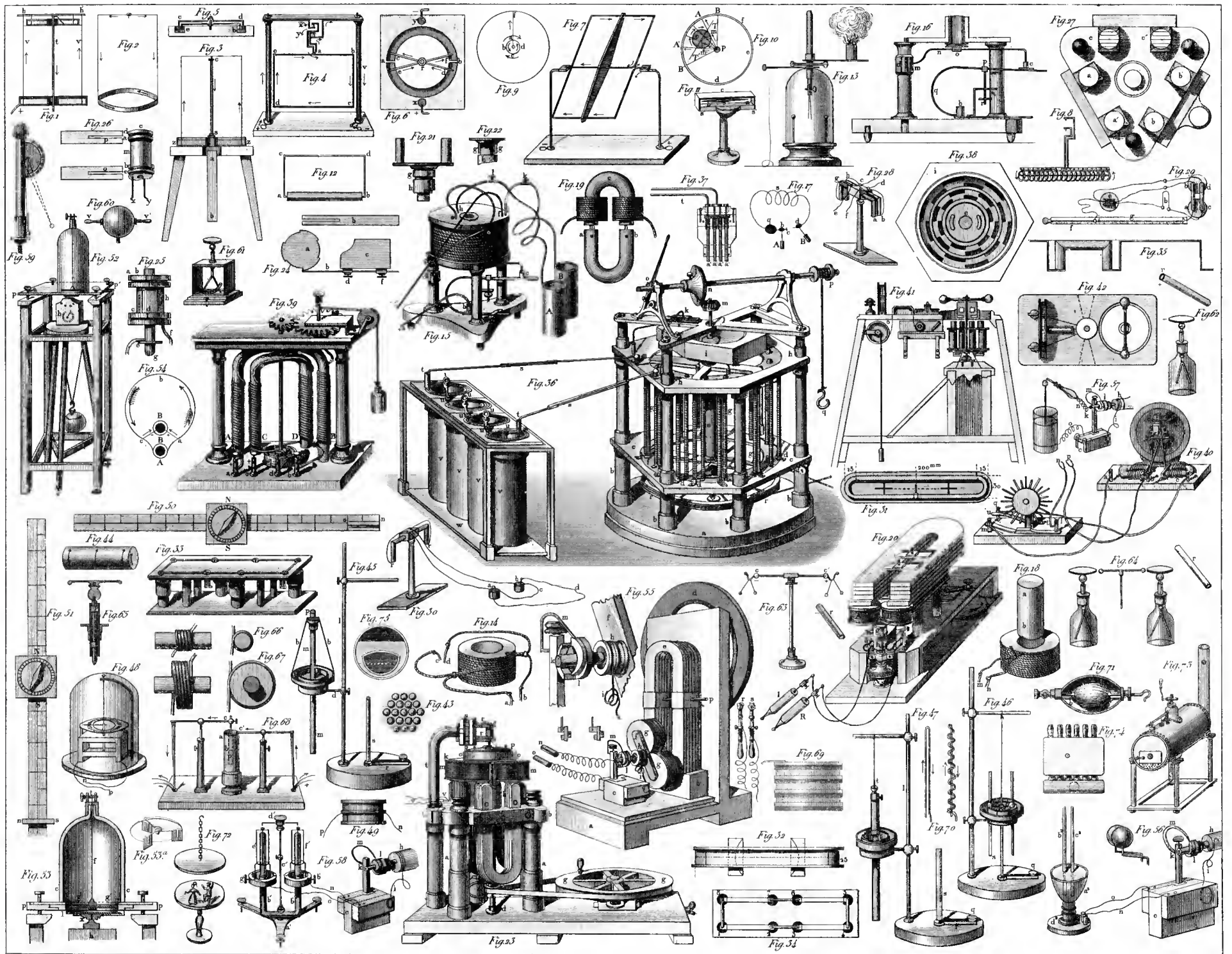




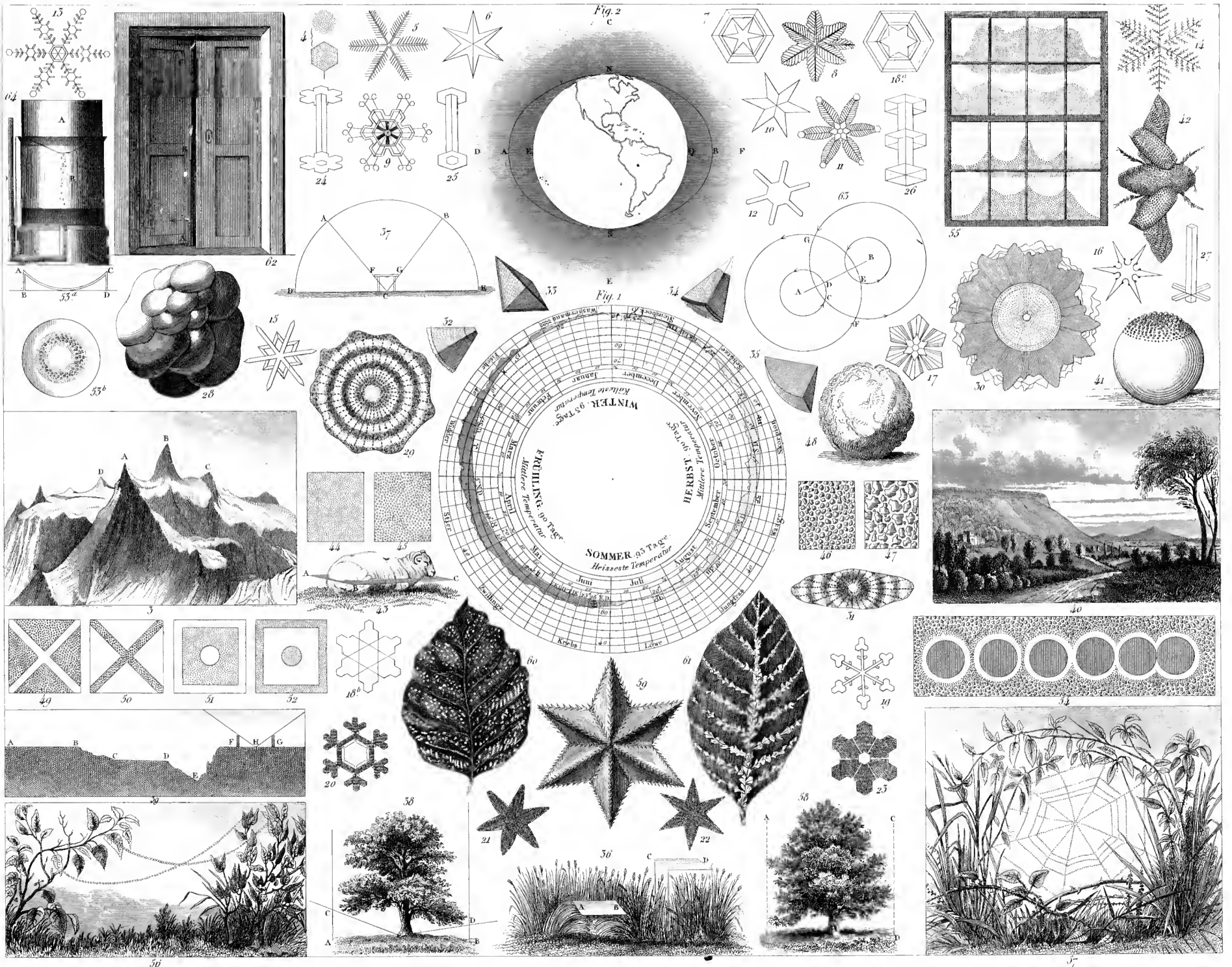




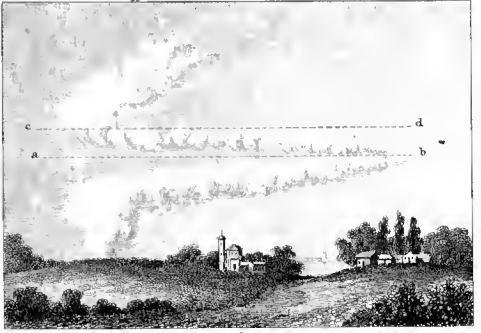
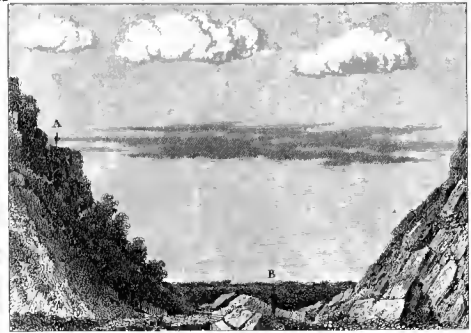
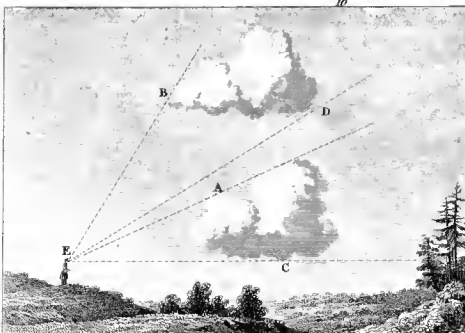
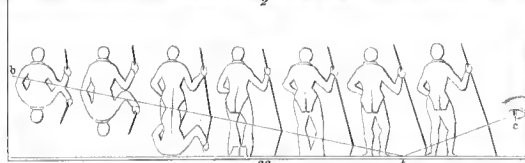
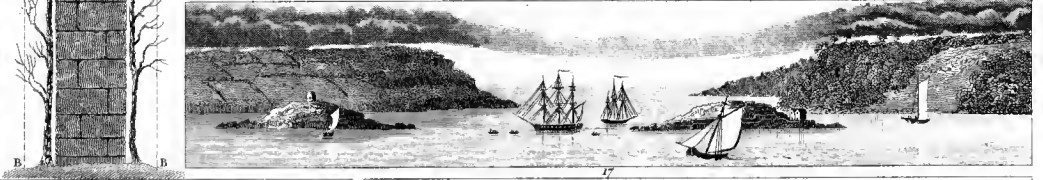
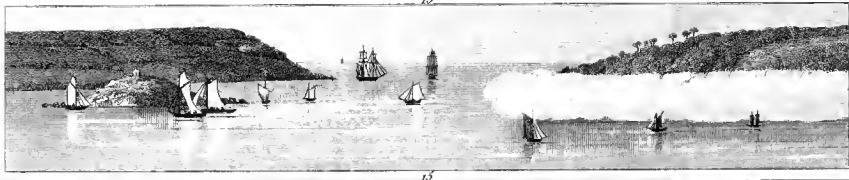
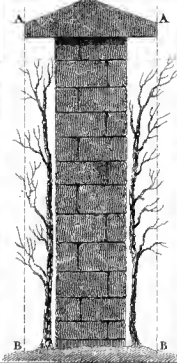
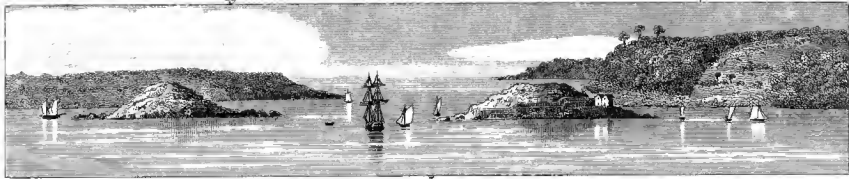
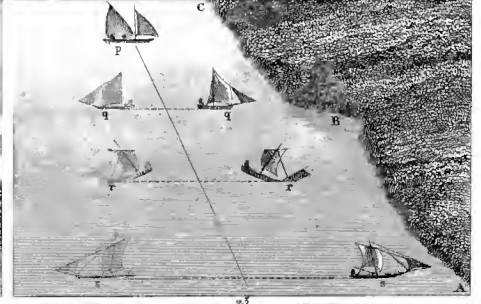
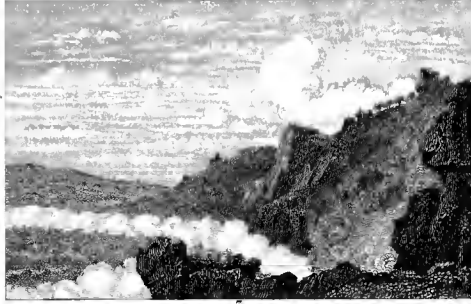
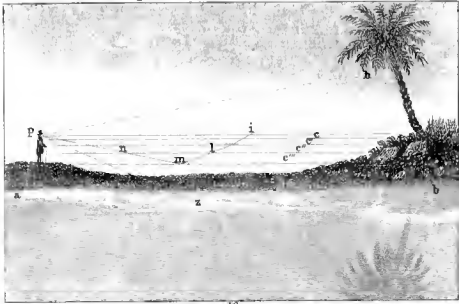
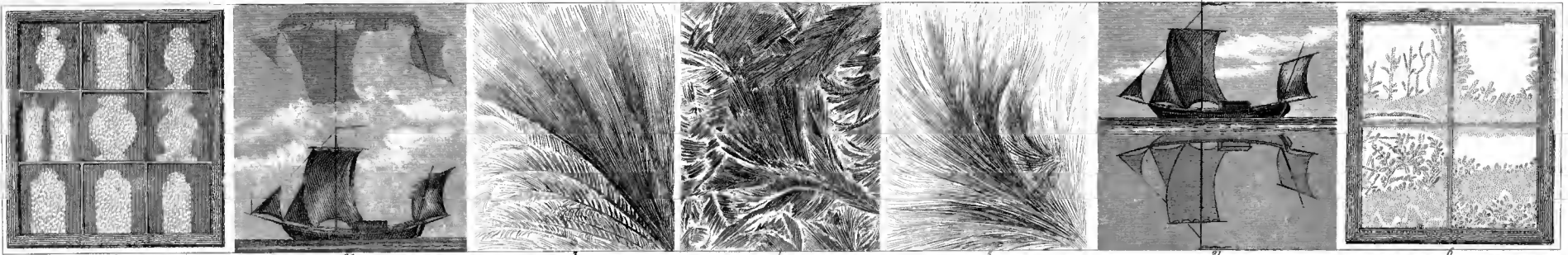




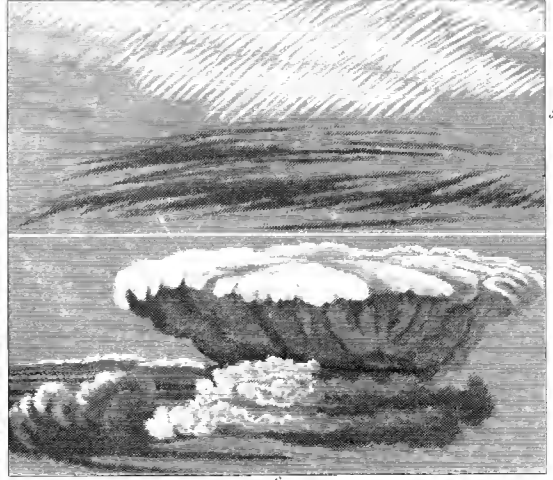
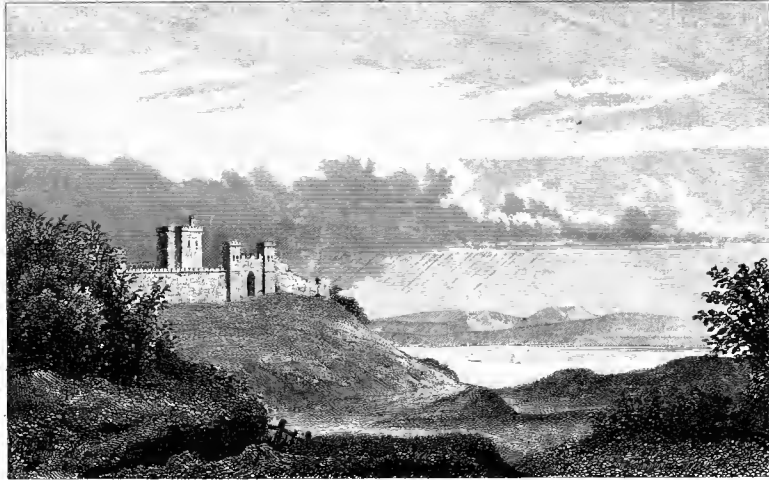
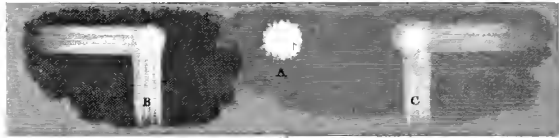
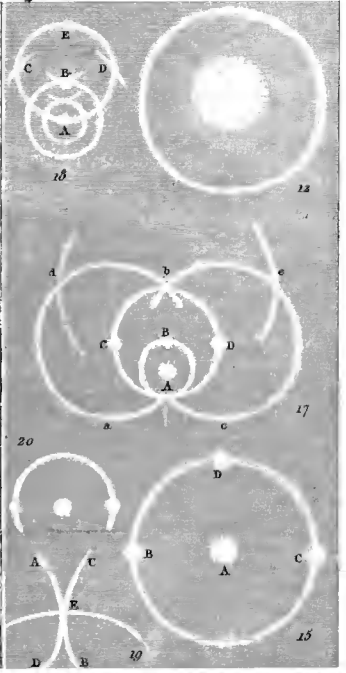
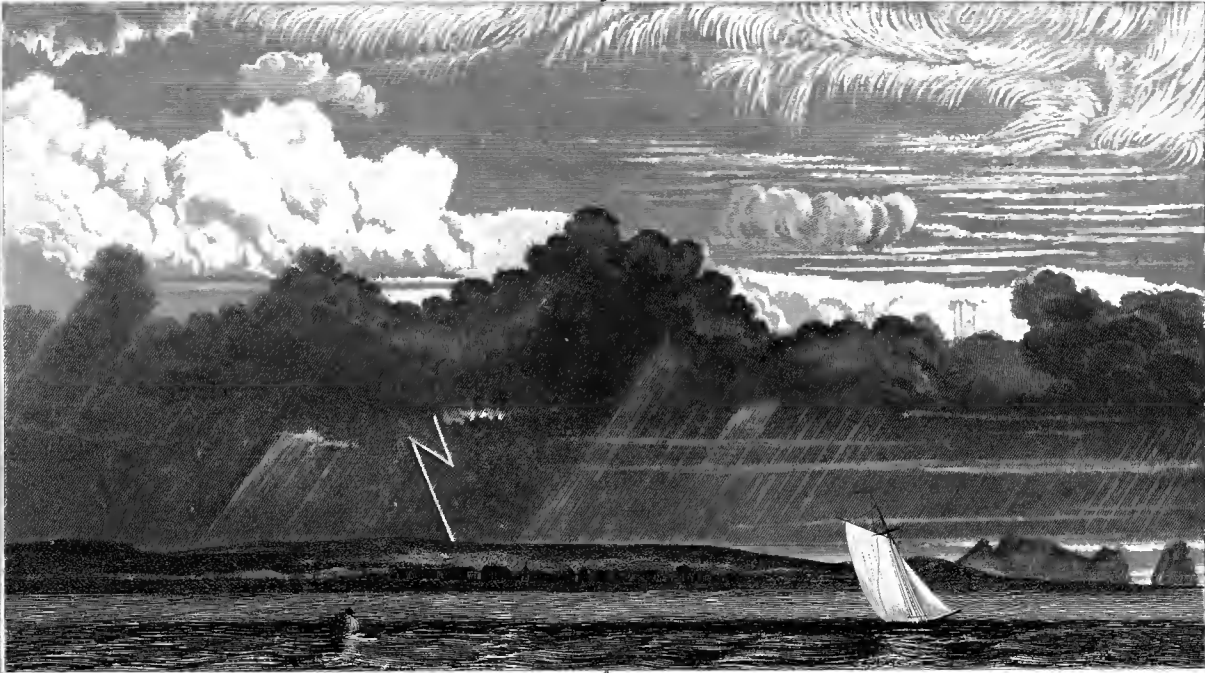
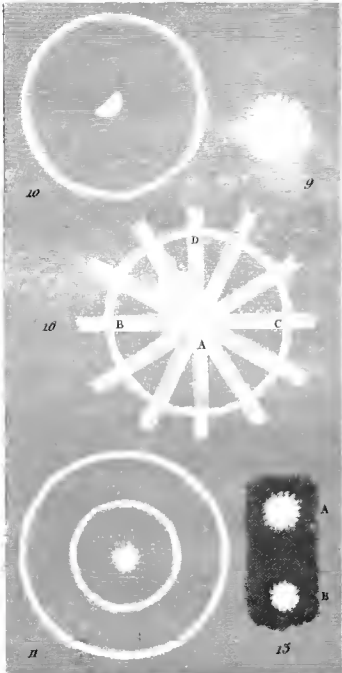
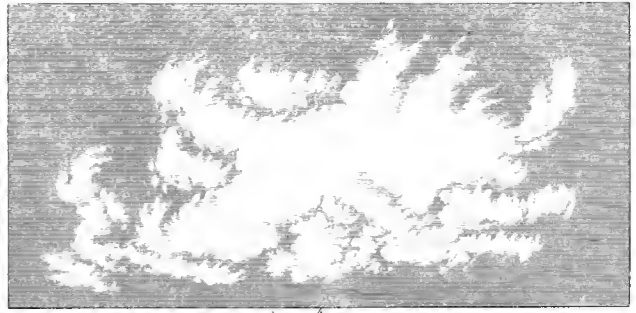
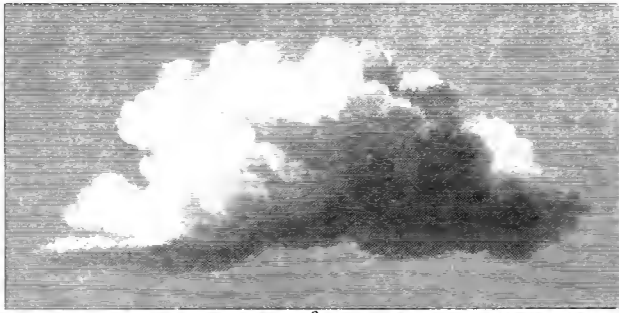




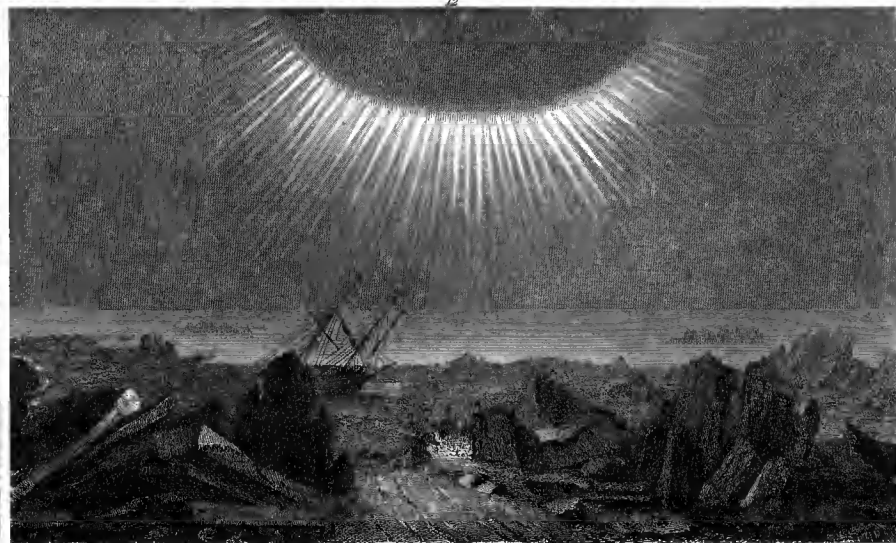
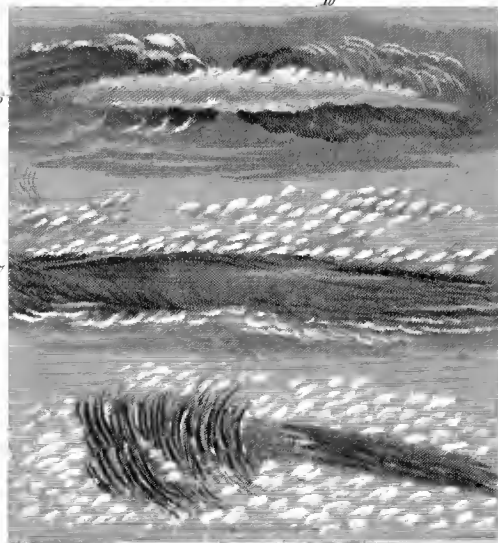
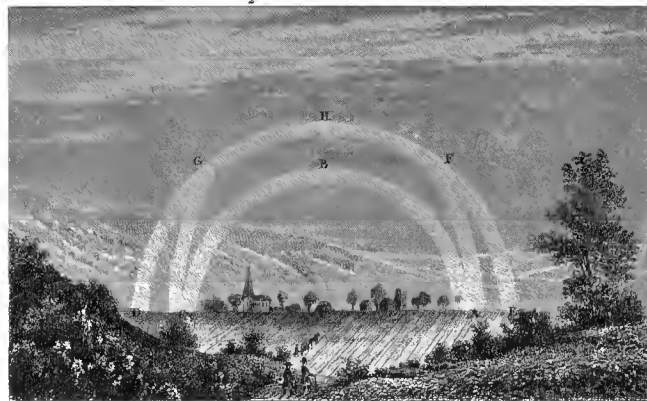
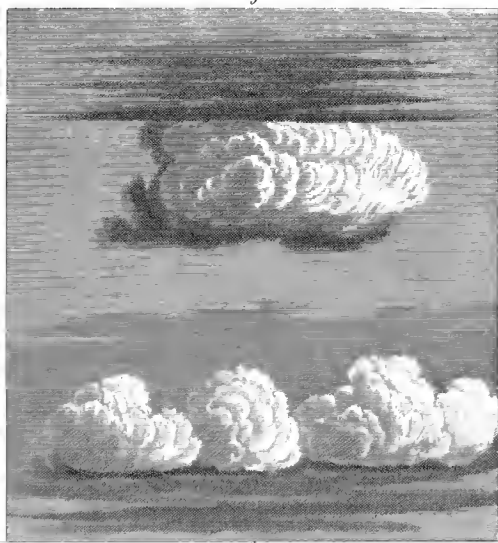
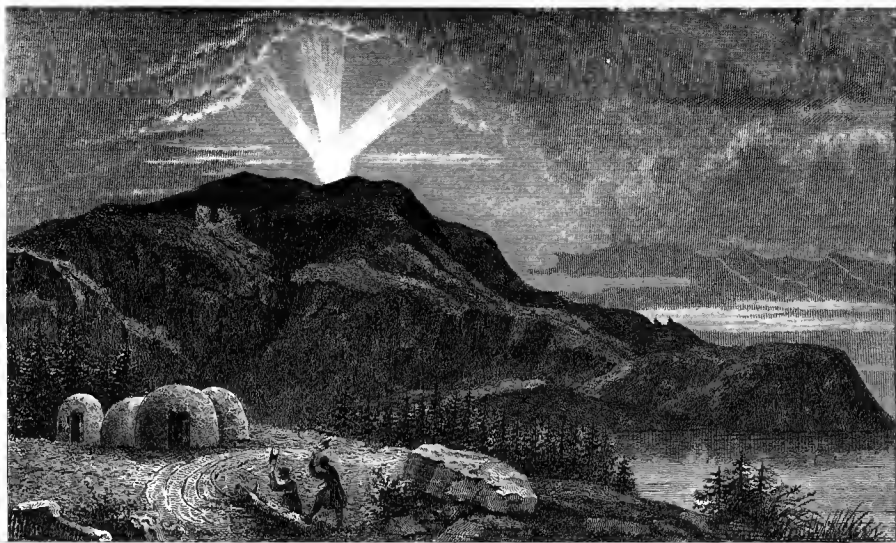
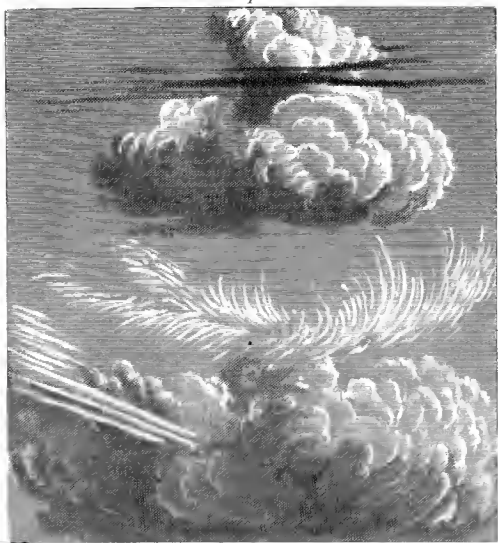










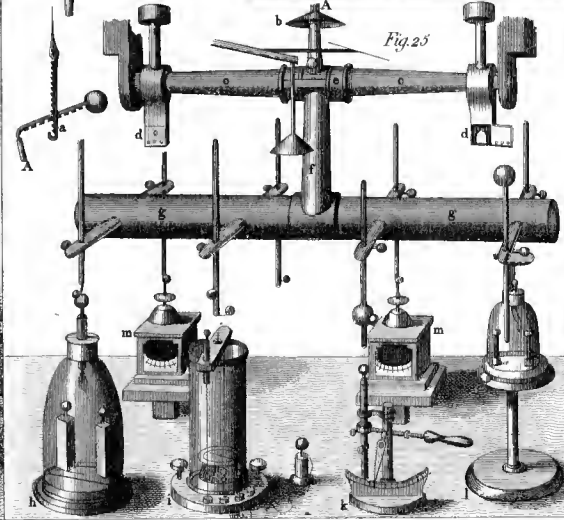
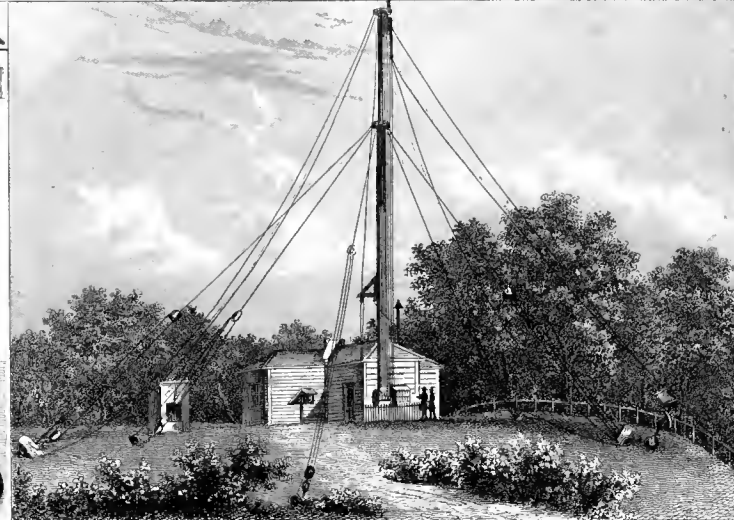
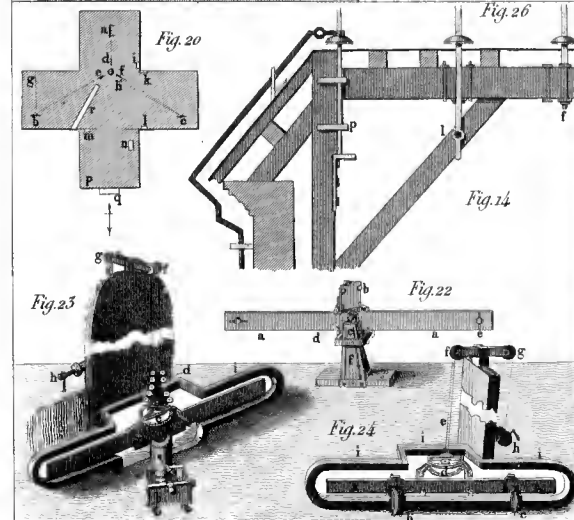
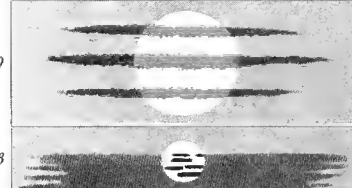
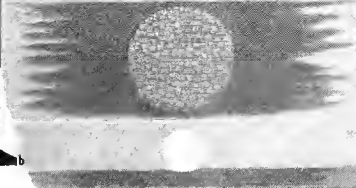
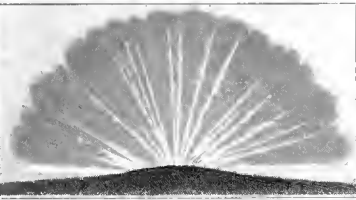
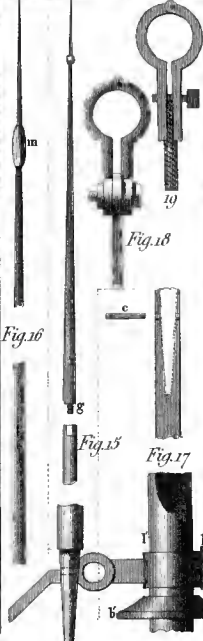
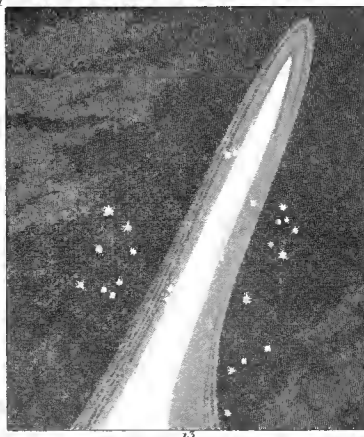
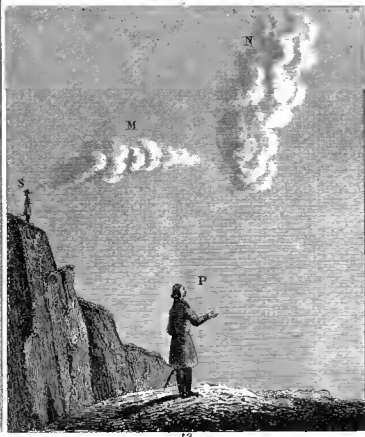
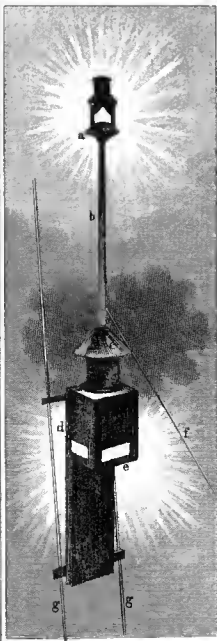
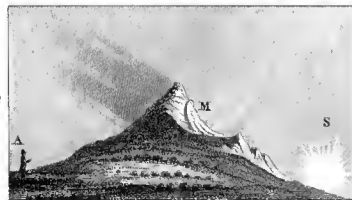
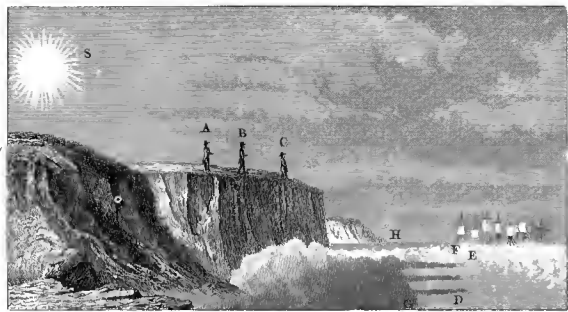


6

15

9







Figur 1<sup>b</sup>

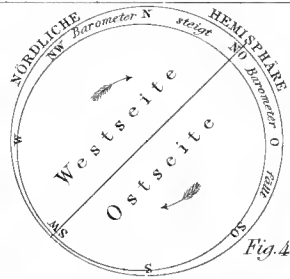
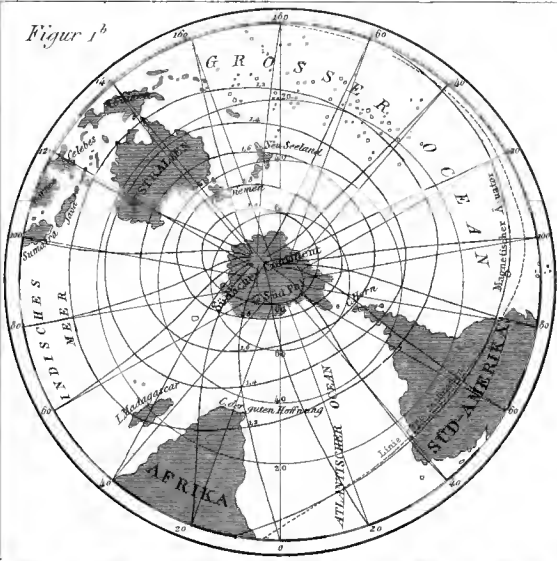


Fig. 4<sup>a</sup>

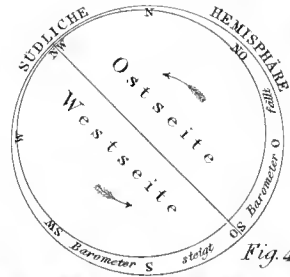
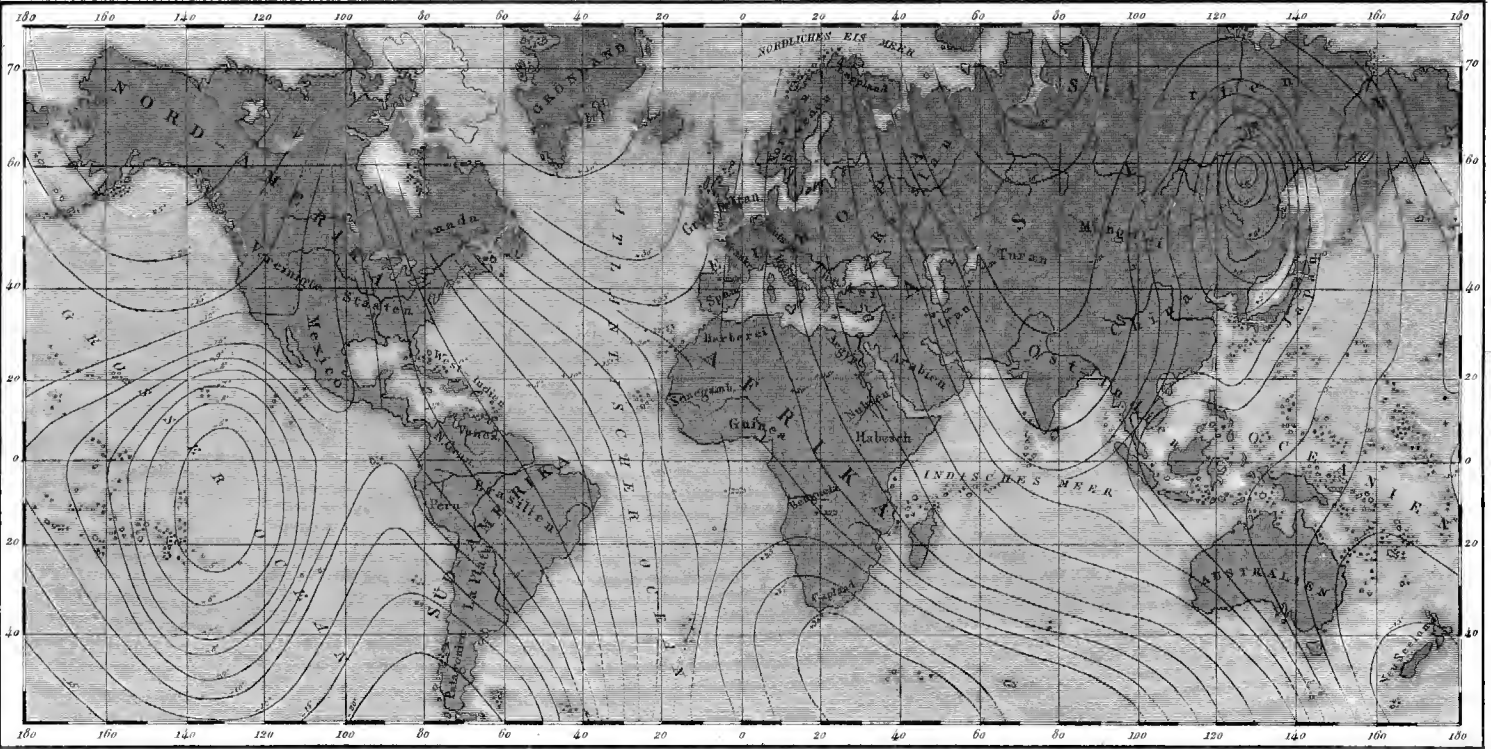
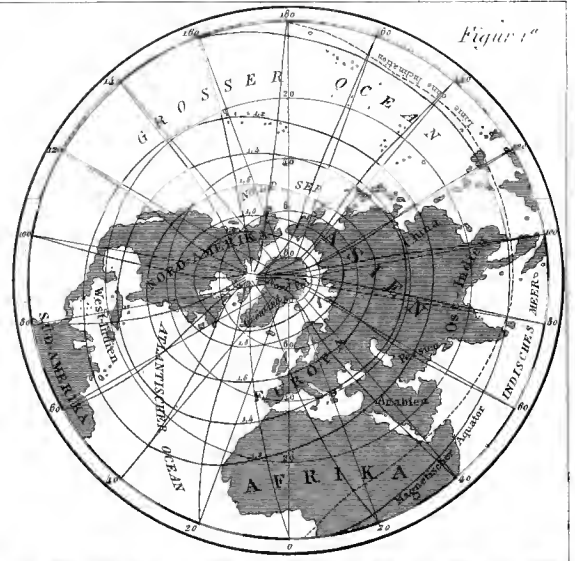


Fig. 4<sup>b</sup>

Figur 1<sup>a</sup>



Figur 2<sup>b</sup>

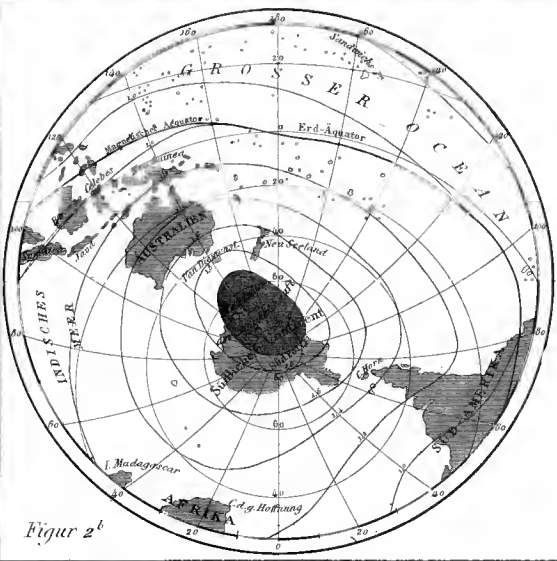


Fig. 5<sup>a</sup>

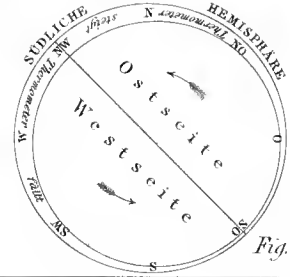
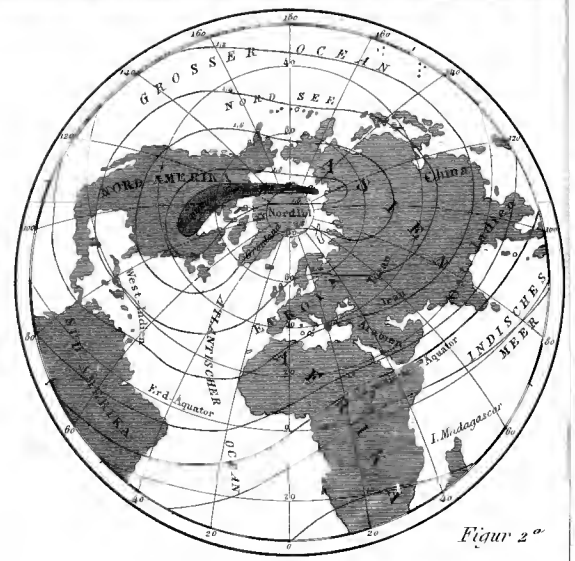


Fig. 5<sup>b</sup>

Figur 2<sup>a</sup>





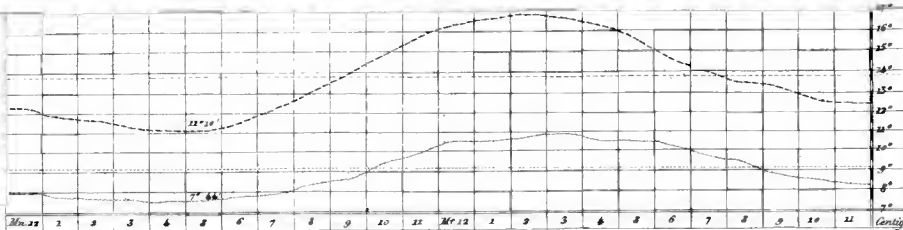
Figur 4.

Mittlere Tageswärme = 13° 75

Kurve von Padua. Br. 45° 24'

Mittlere Tageswärme = 9° 06

Kurve von Leith. Br. 55° 59'

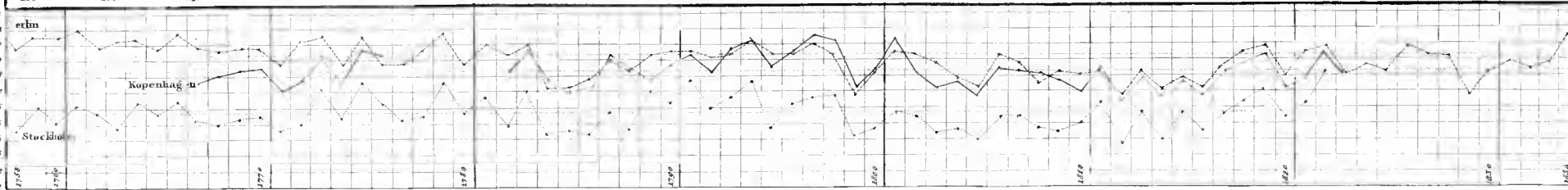
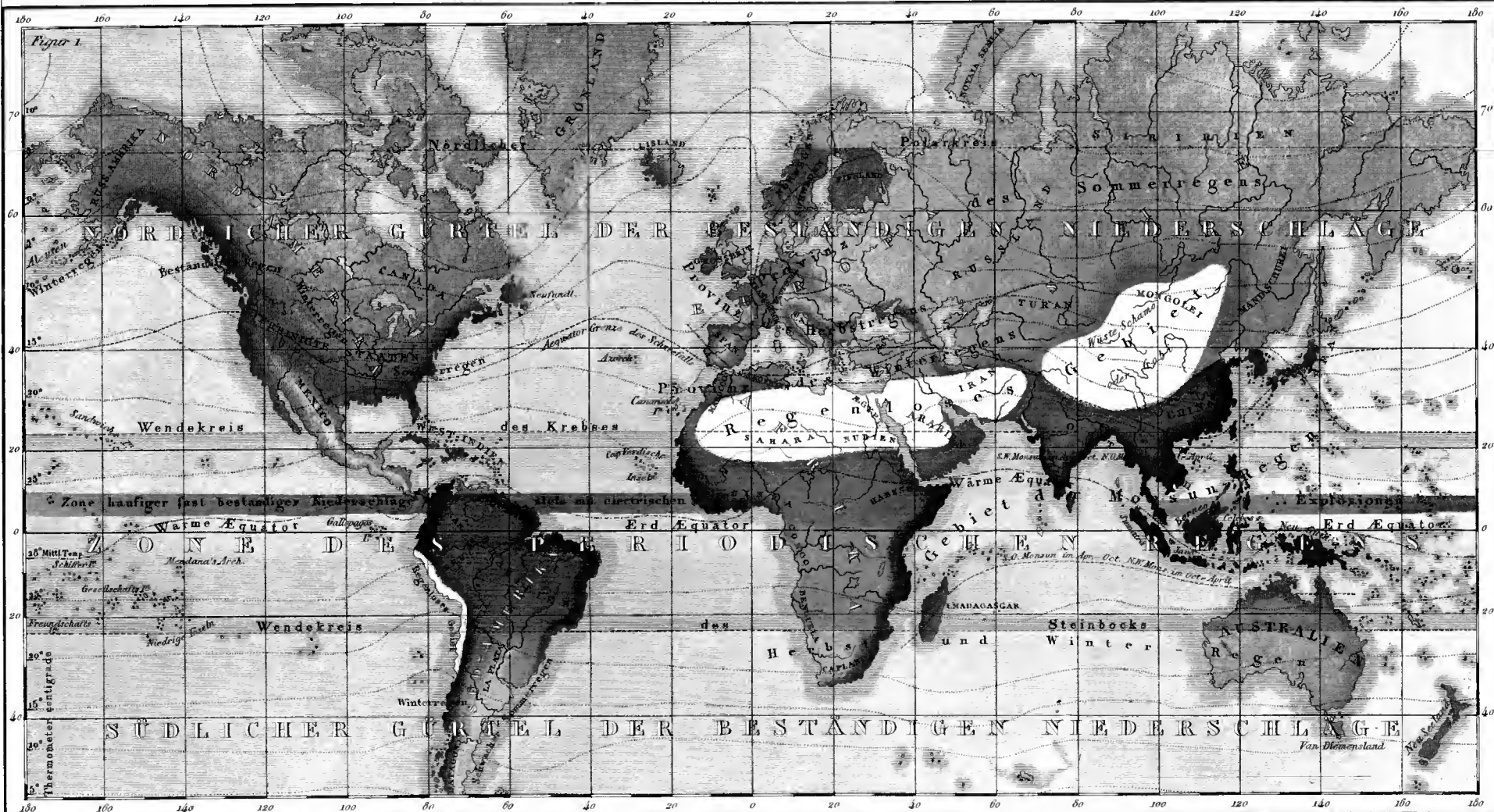
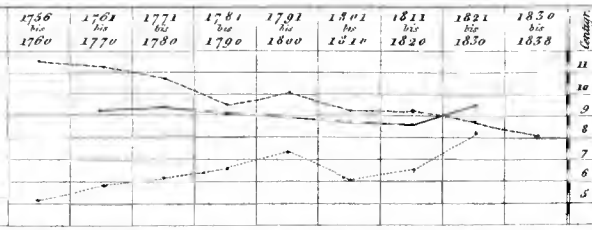


Figur 3.

Berlin

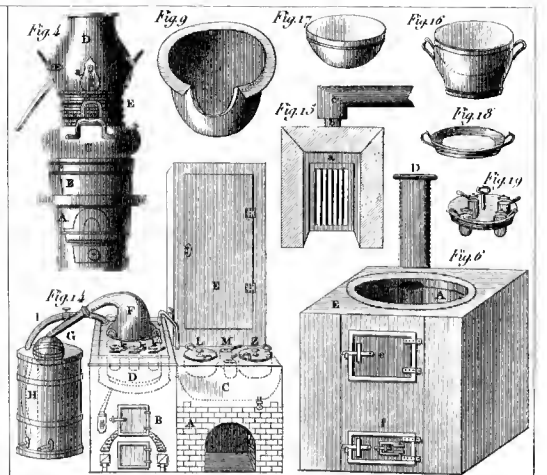
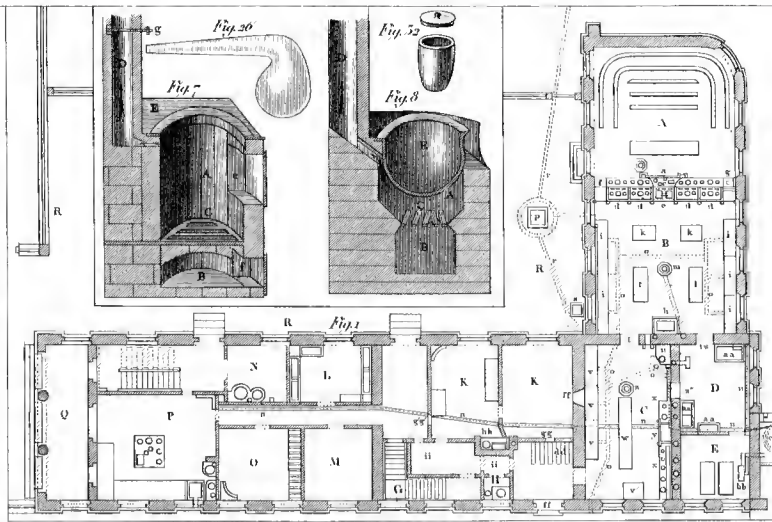
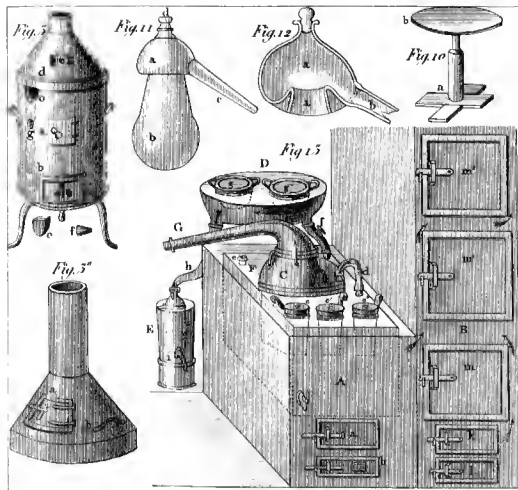
Kopenhagen

Stockholm

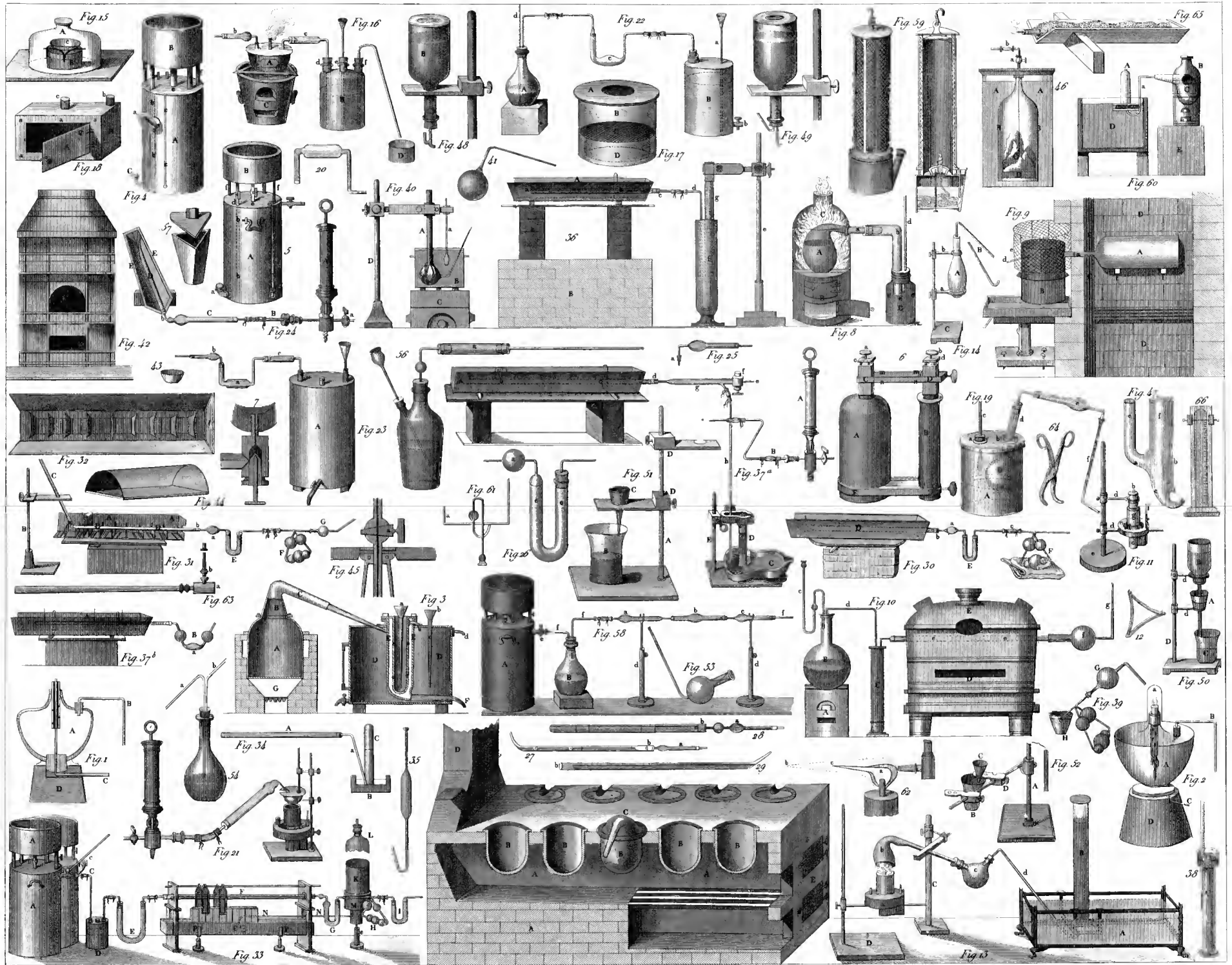


Figur 2.

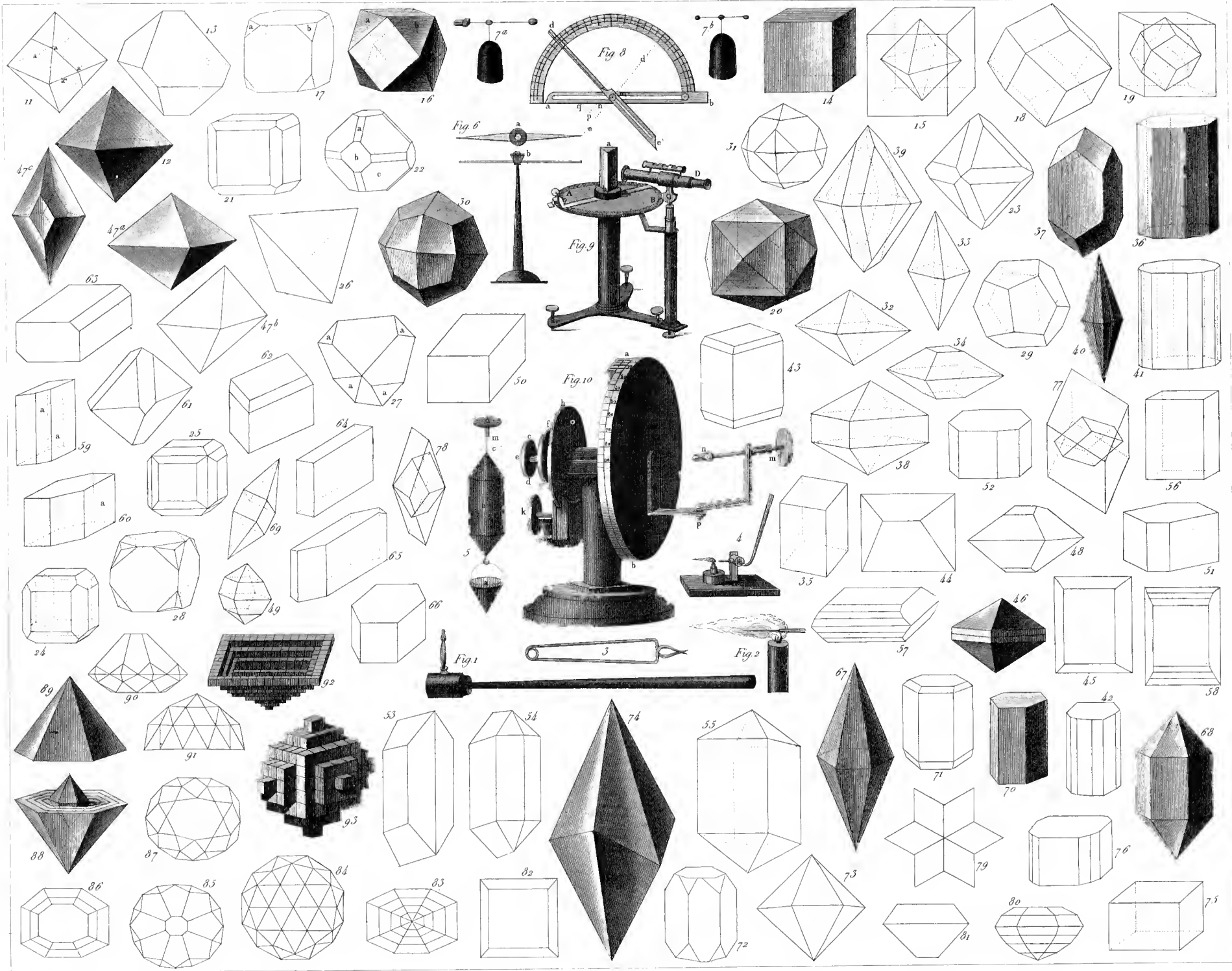




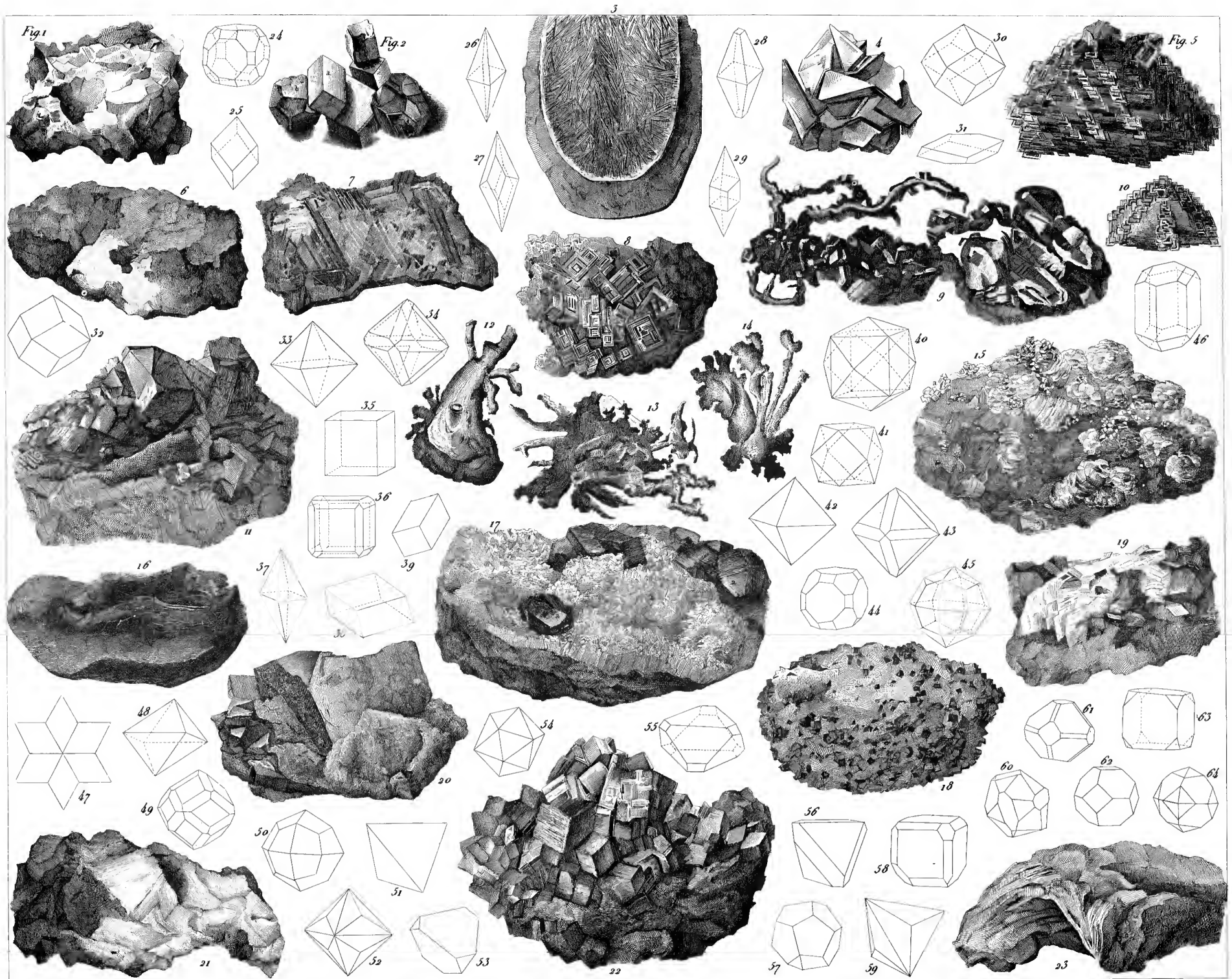












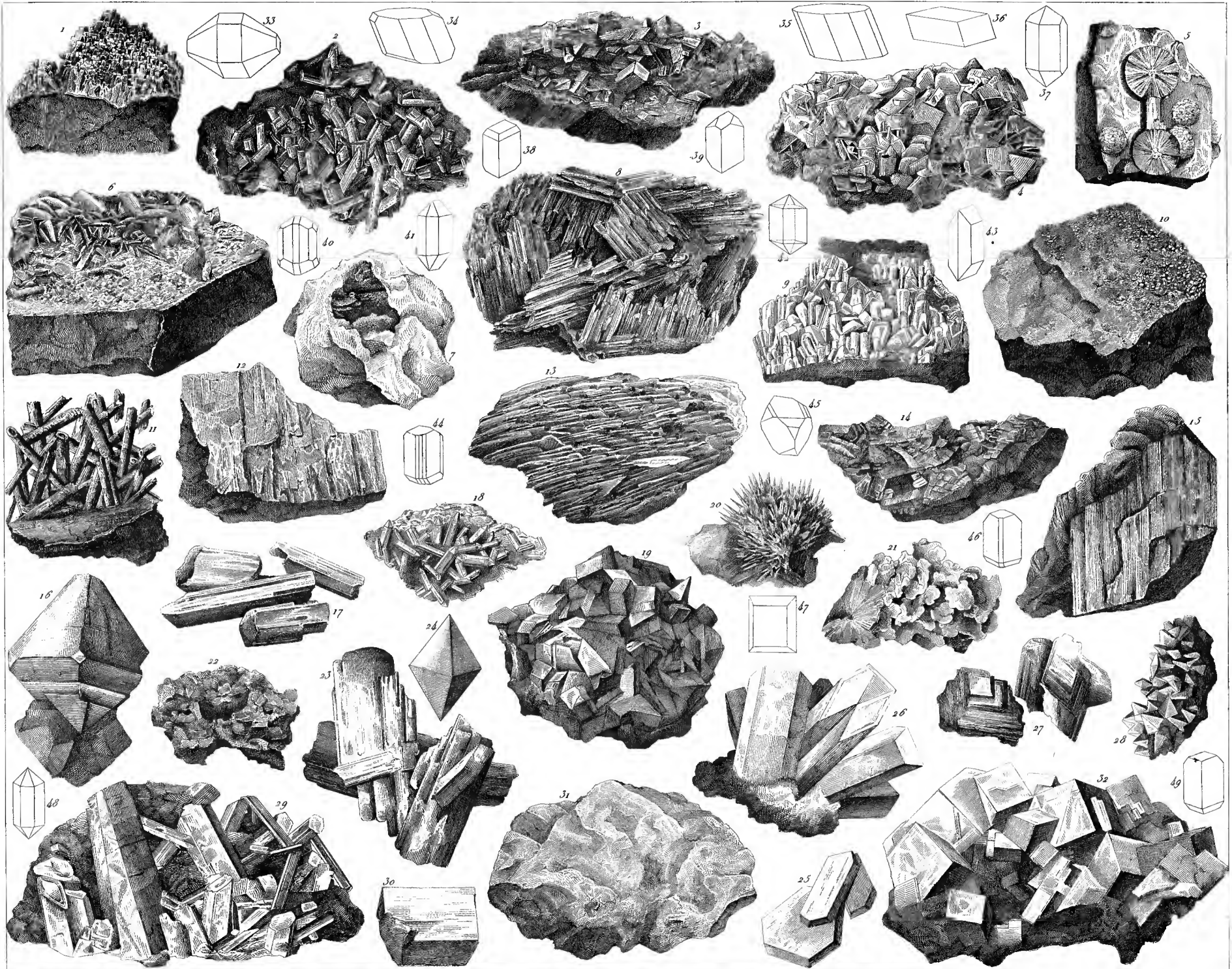








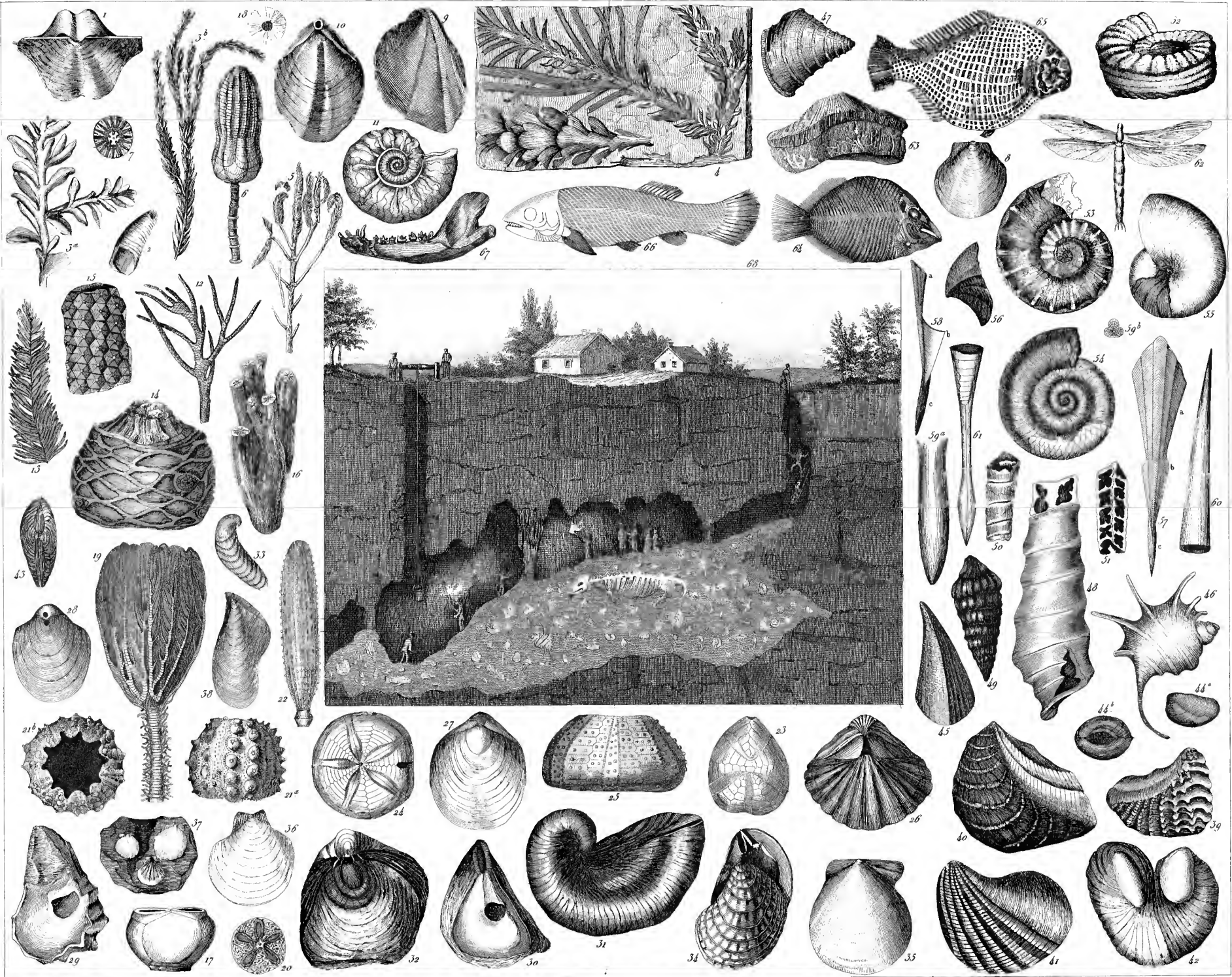




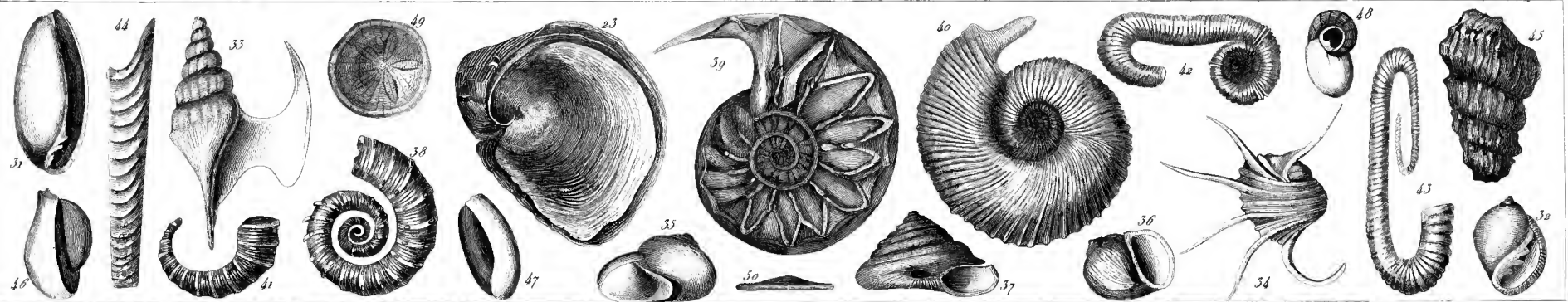
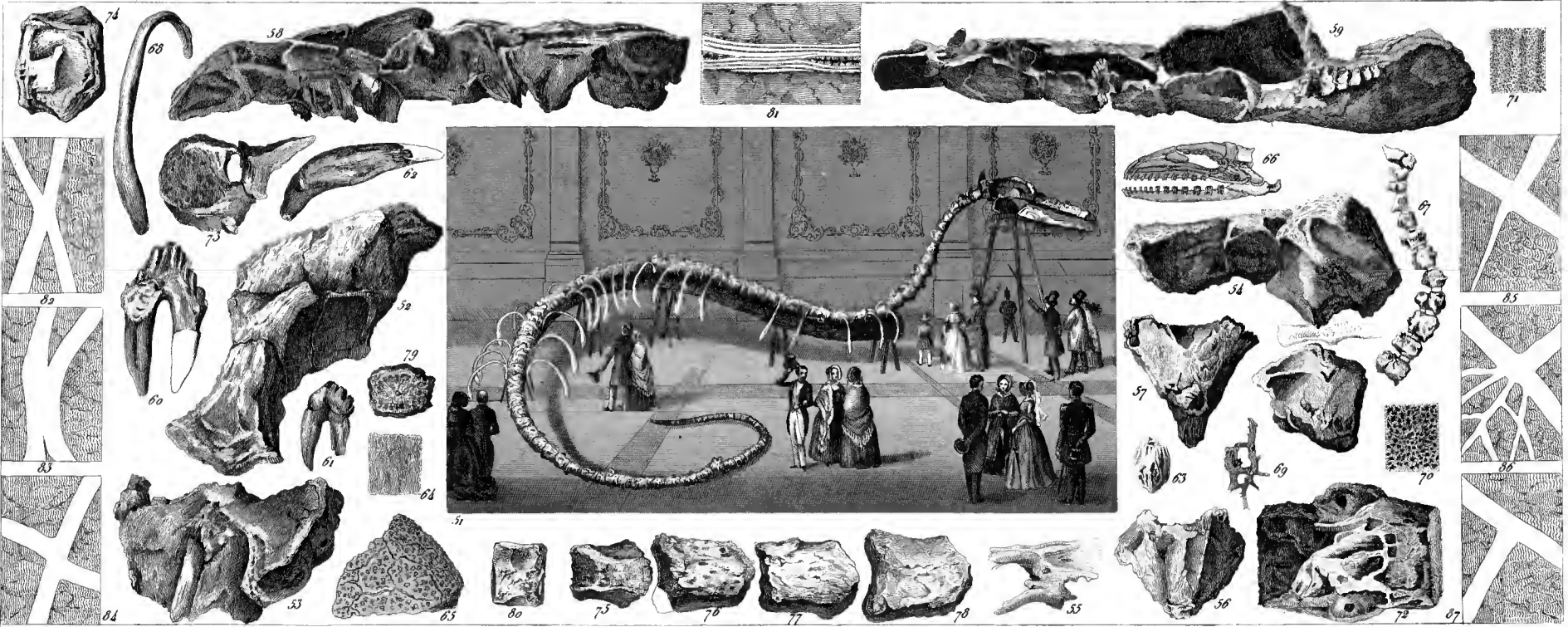
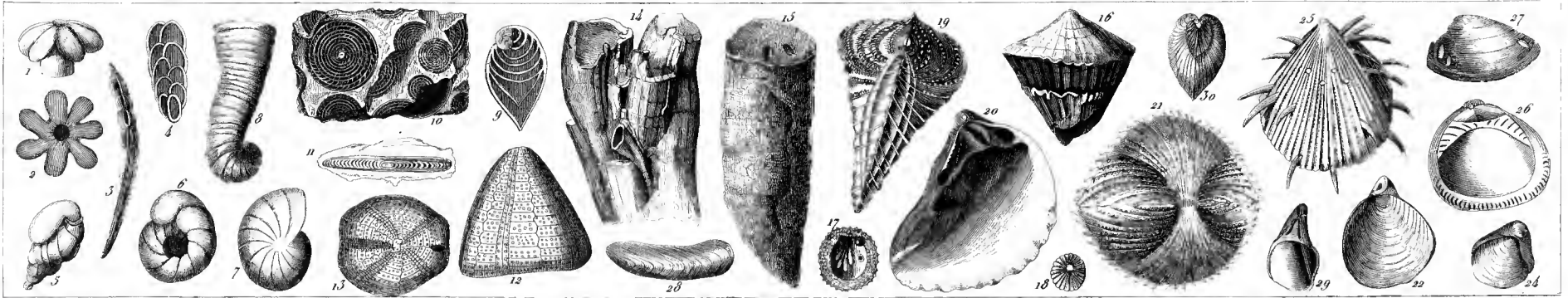




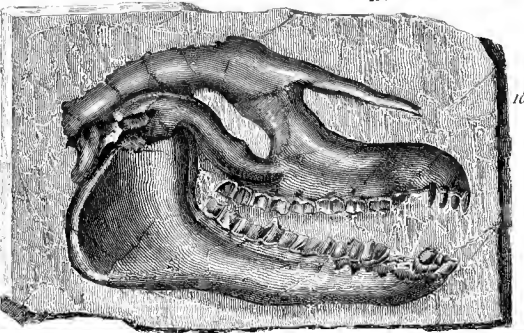
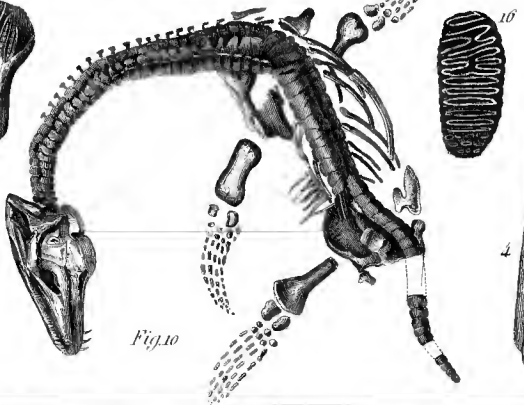
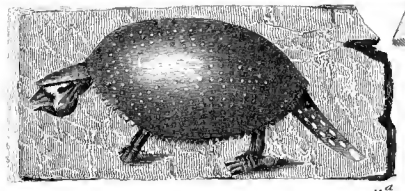
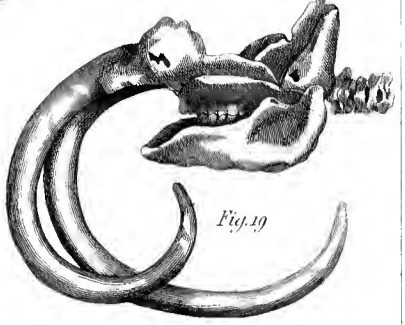
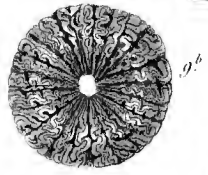
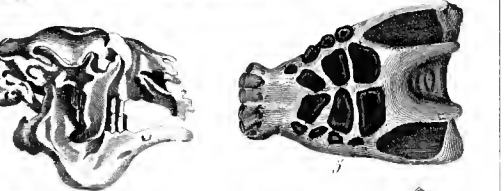
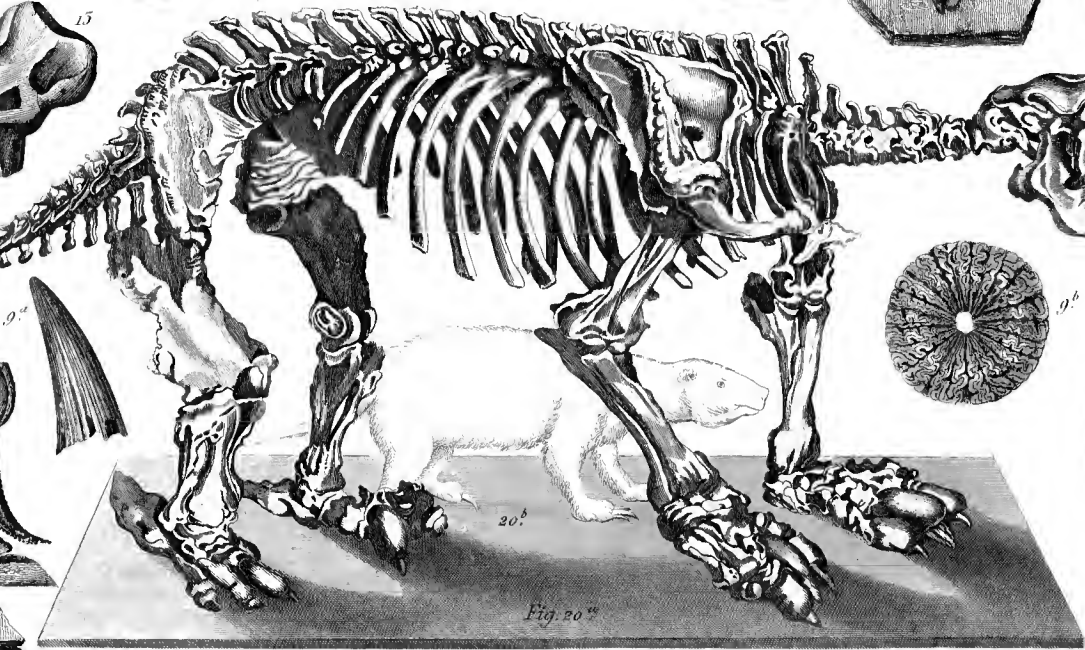
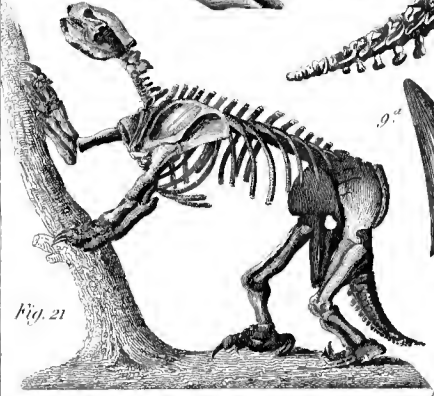
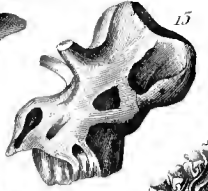
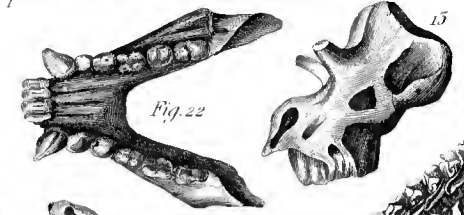
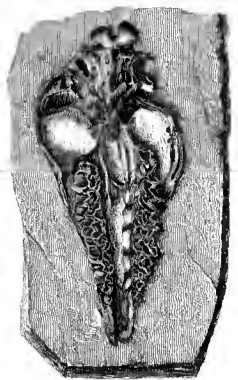
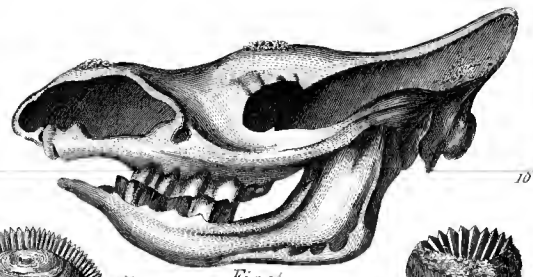
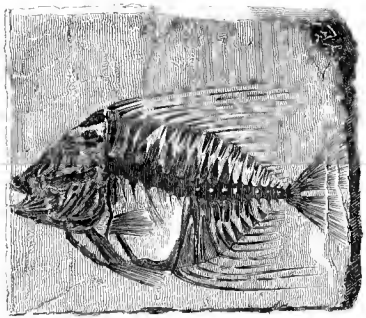
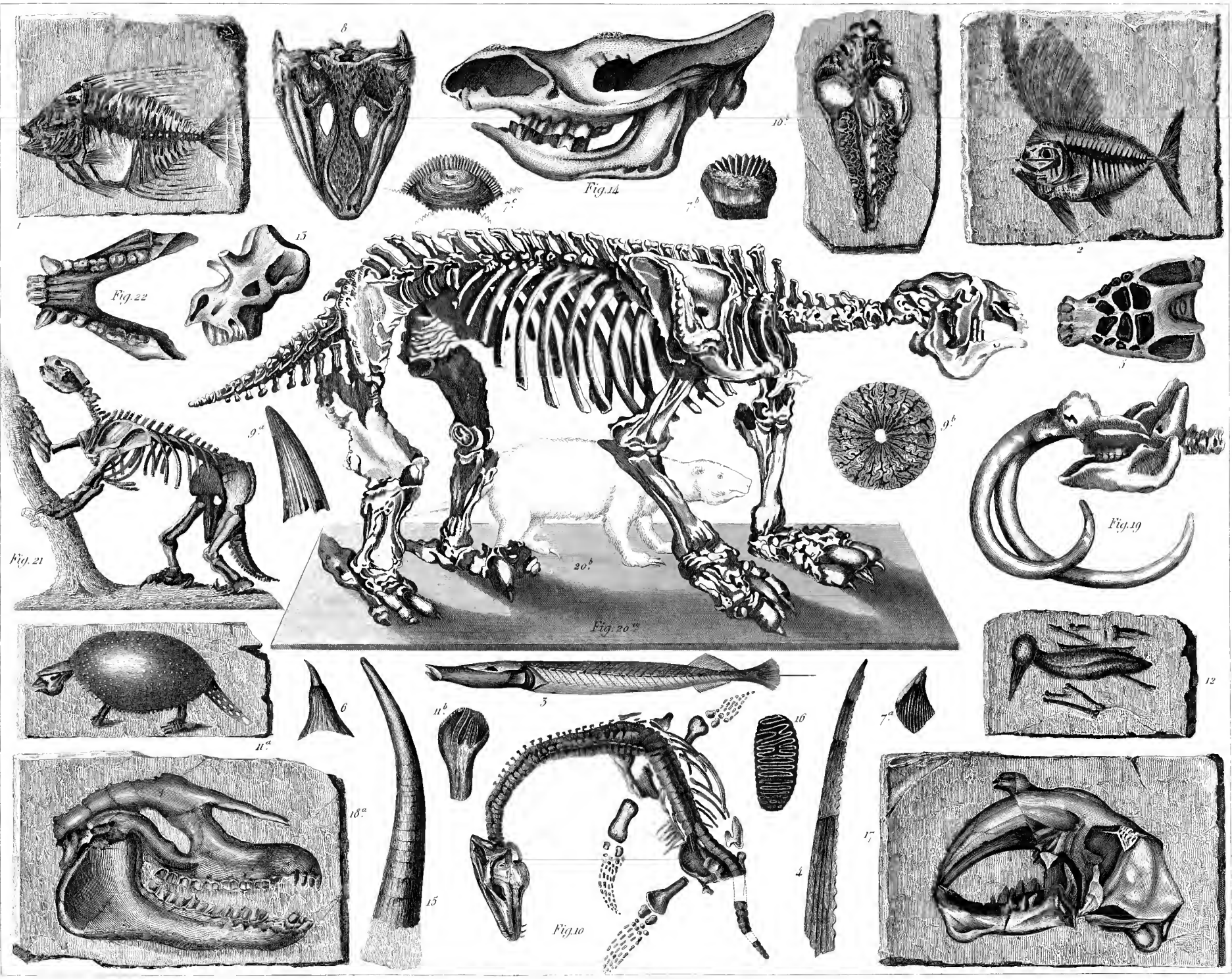














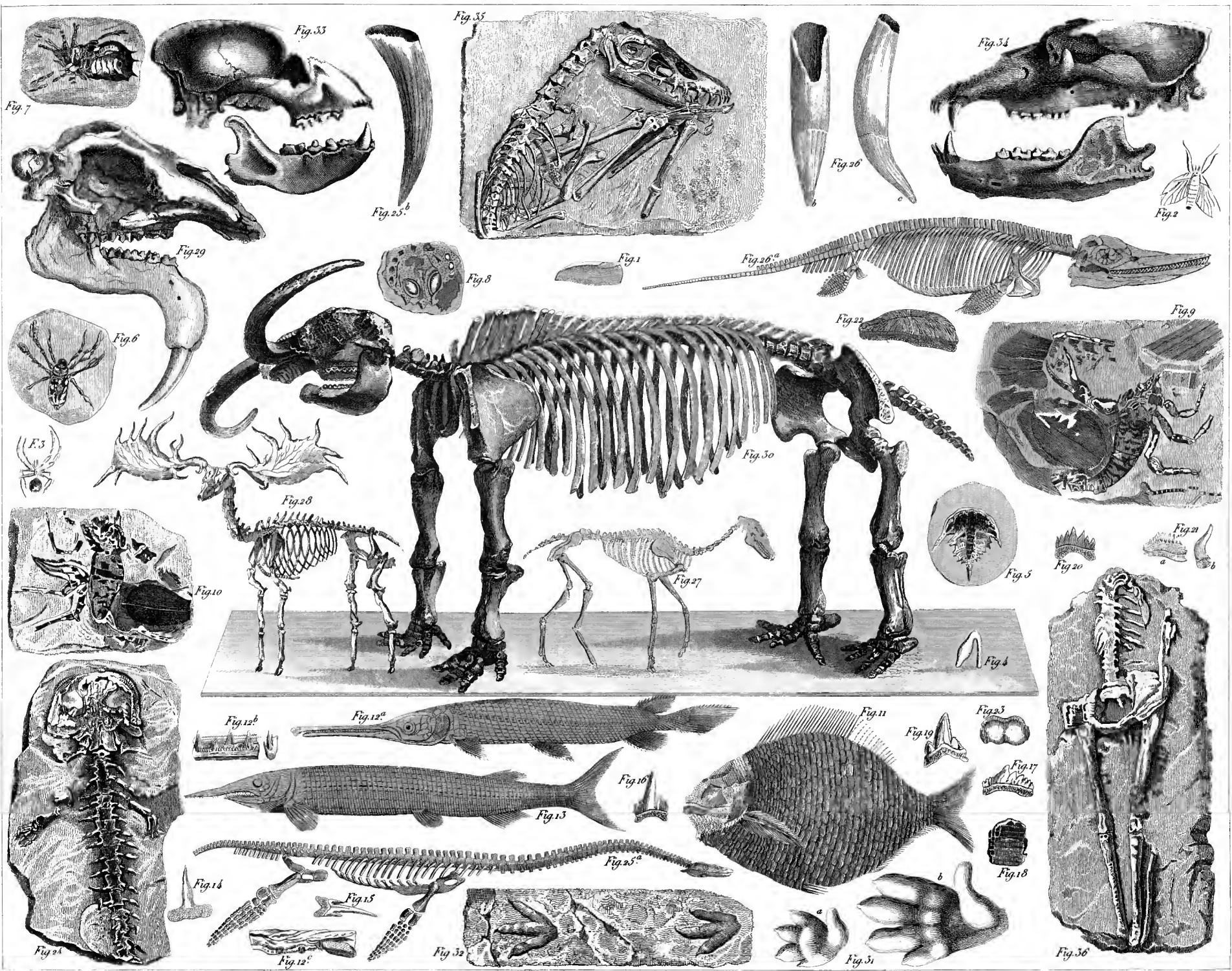


Fig. 7

Fig. 33

Fig. 35

Fig. 34

Fig. 2

Fig. 26

Fig. 23

Fig. 29

Fig. 1

Fig. 26<sup>a</sup>

Fig. 8

Fig. 9

Fig. 22

Fig. 6

Fig. 5

Fig. 28

Fig. 30

Fig. 21

Fig. 10

Fig. 27

Fig. 5

Fig. 20

Fig. 21<sup>b</sup>

Fig. 12<sup>b</sup>

Fig. 12<sup>a</sup>

Fig. 11

Fig. 3

Fig. 19

Fig. 17

Fig. 16

Fig. 15

Fig. 18

Fig. 16

Fig. 25<sup>a</sup>

Fig. 15

Fig. 32

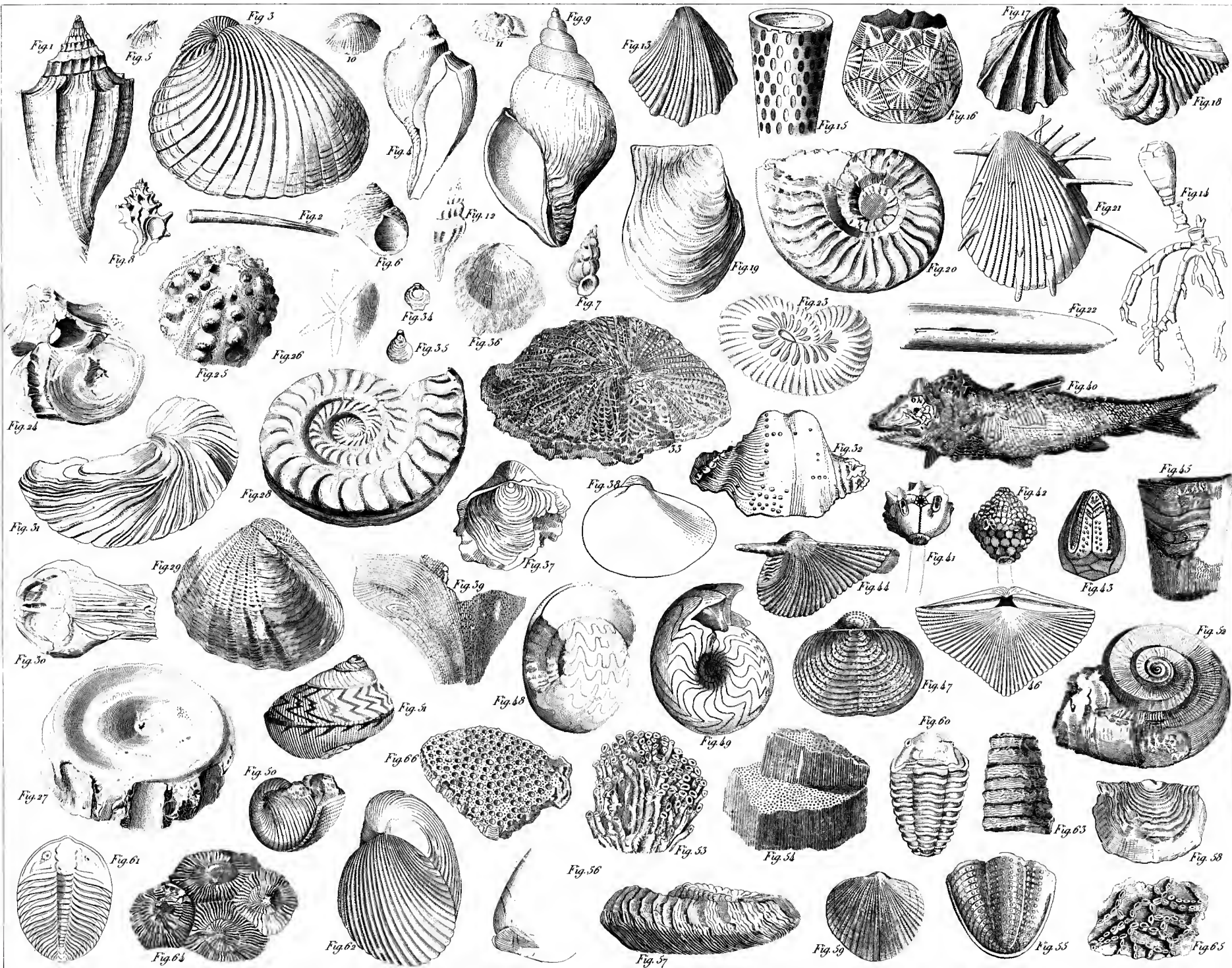
Fig. 31

Fig. 12<sup>c</sup>

Fig. 24

Fig. 36

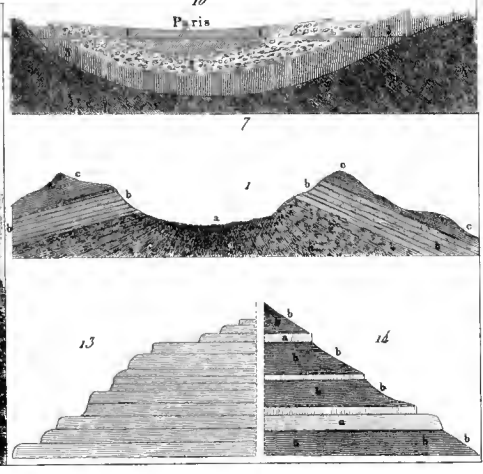
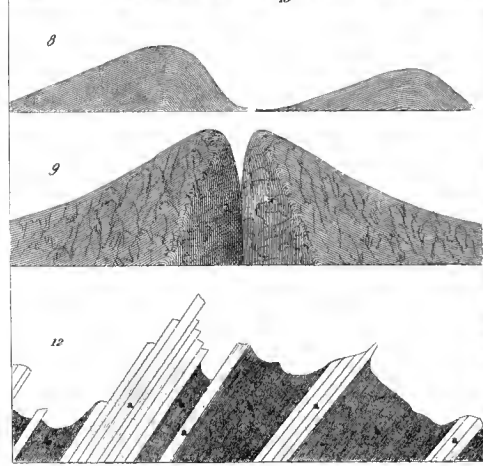
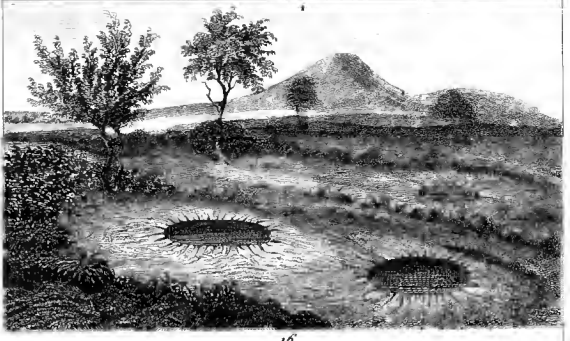
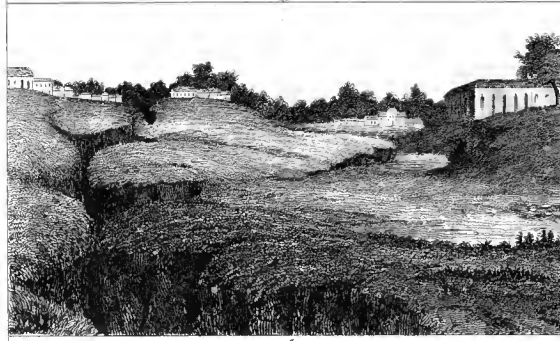
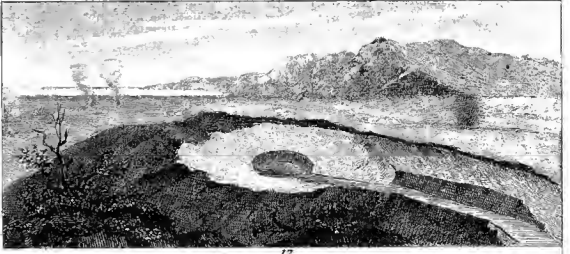
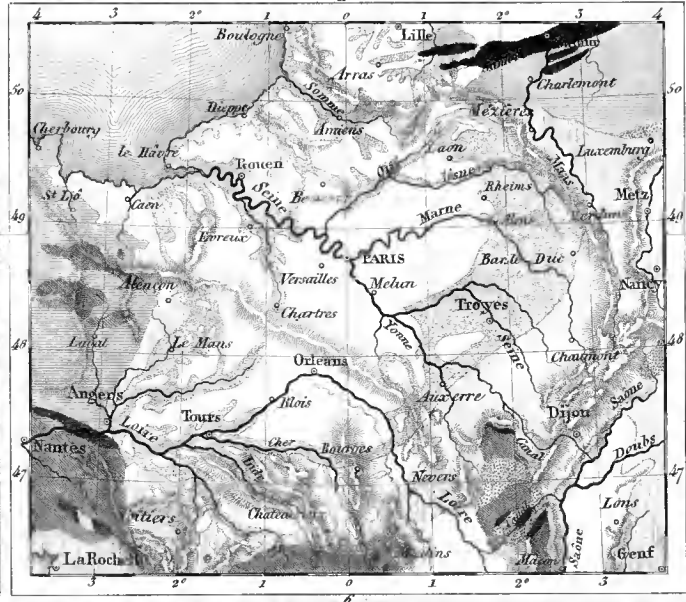
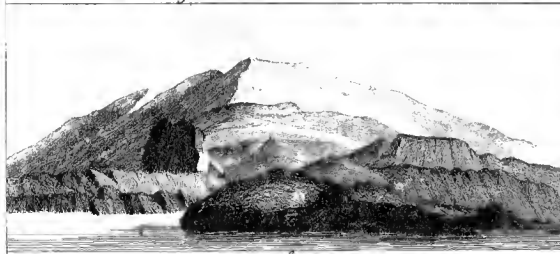
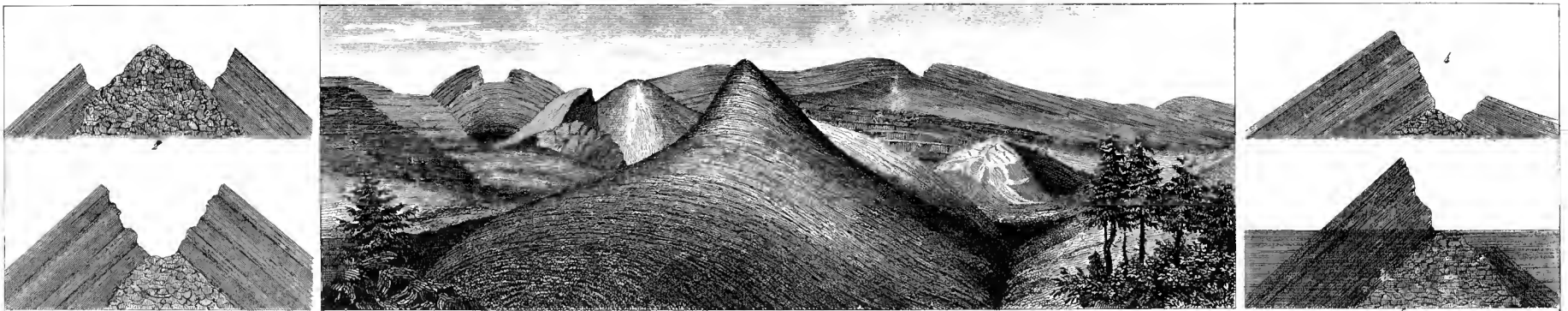



















G. Heck dr.

Karte des Pariser Tertiärbeckens

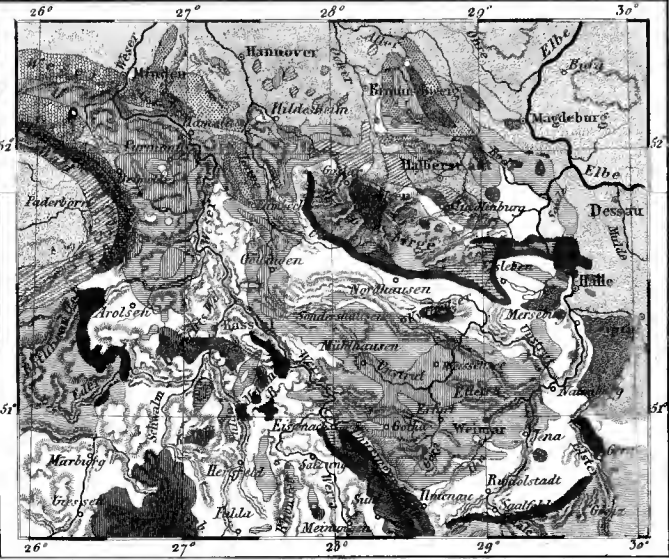
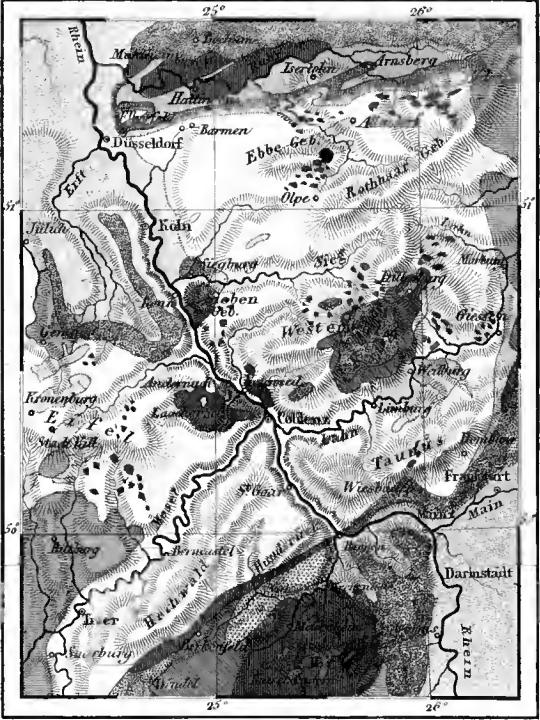
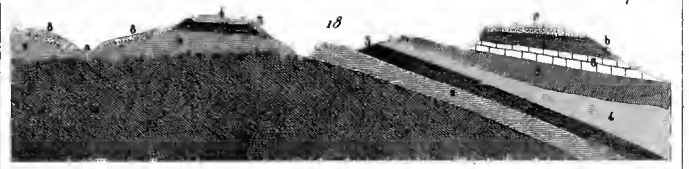
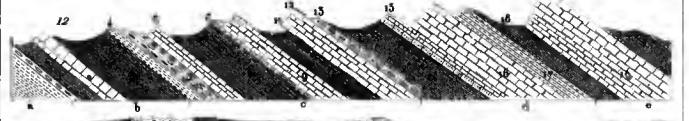
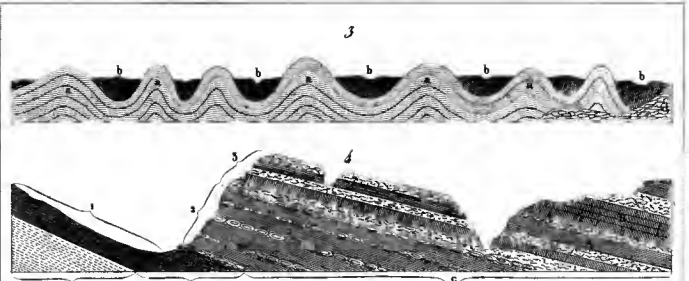
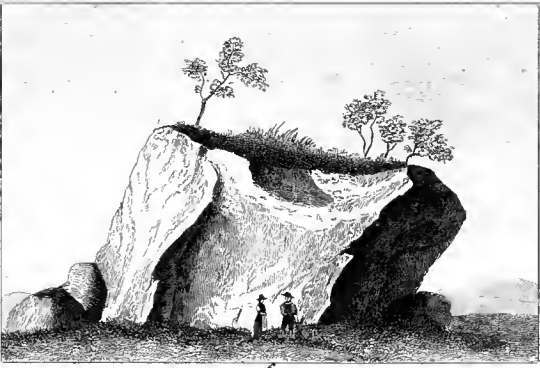
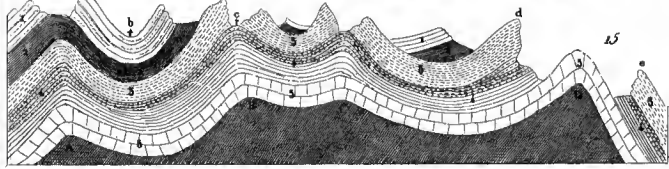
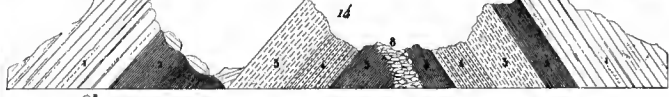
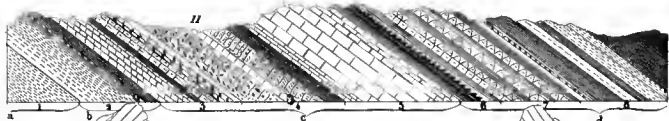
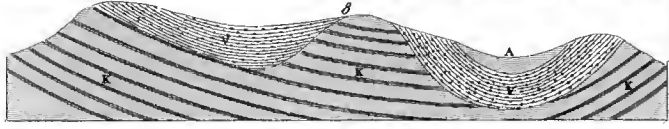
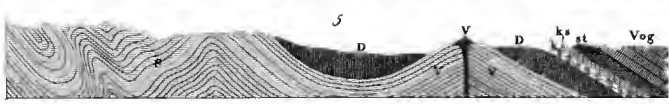
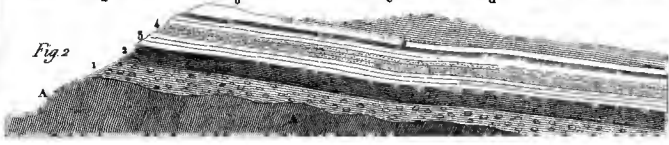
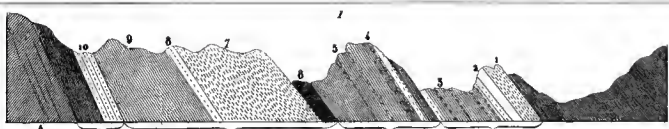
-   
Tertiärbildung
-   
Kreide
-   
Juraformat.
-   
Trias
-   
Übergangsgel.
-   
Primär-Gesteine.
-   
Steinkohle

Henry Winkles sculpt.

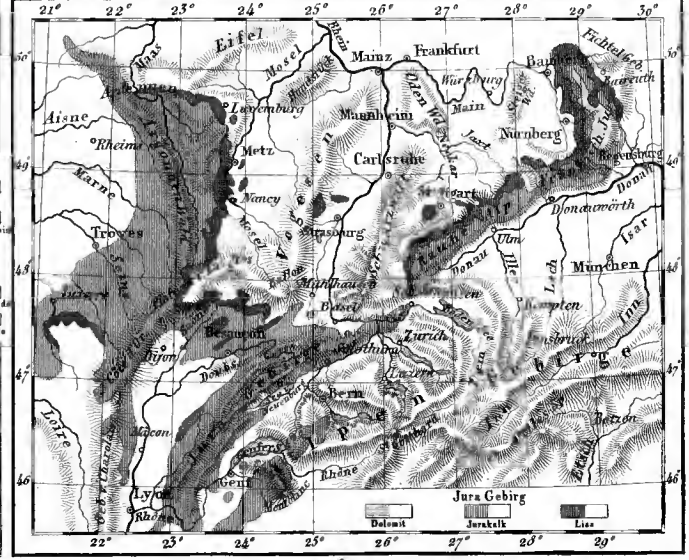








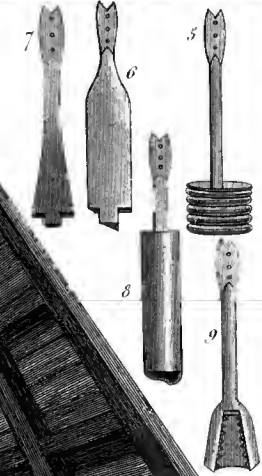
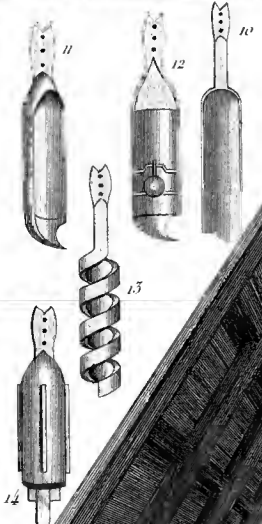
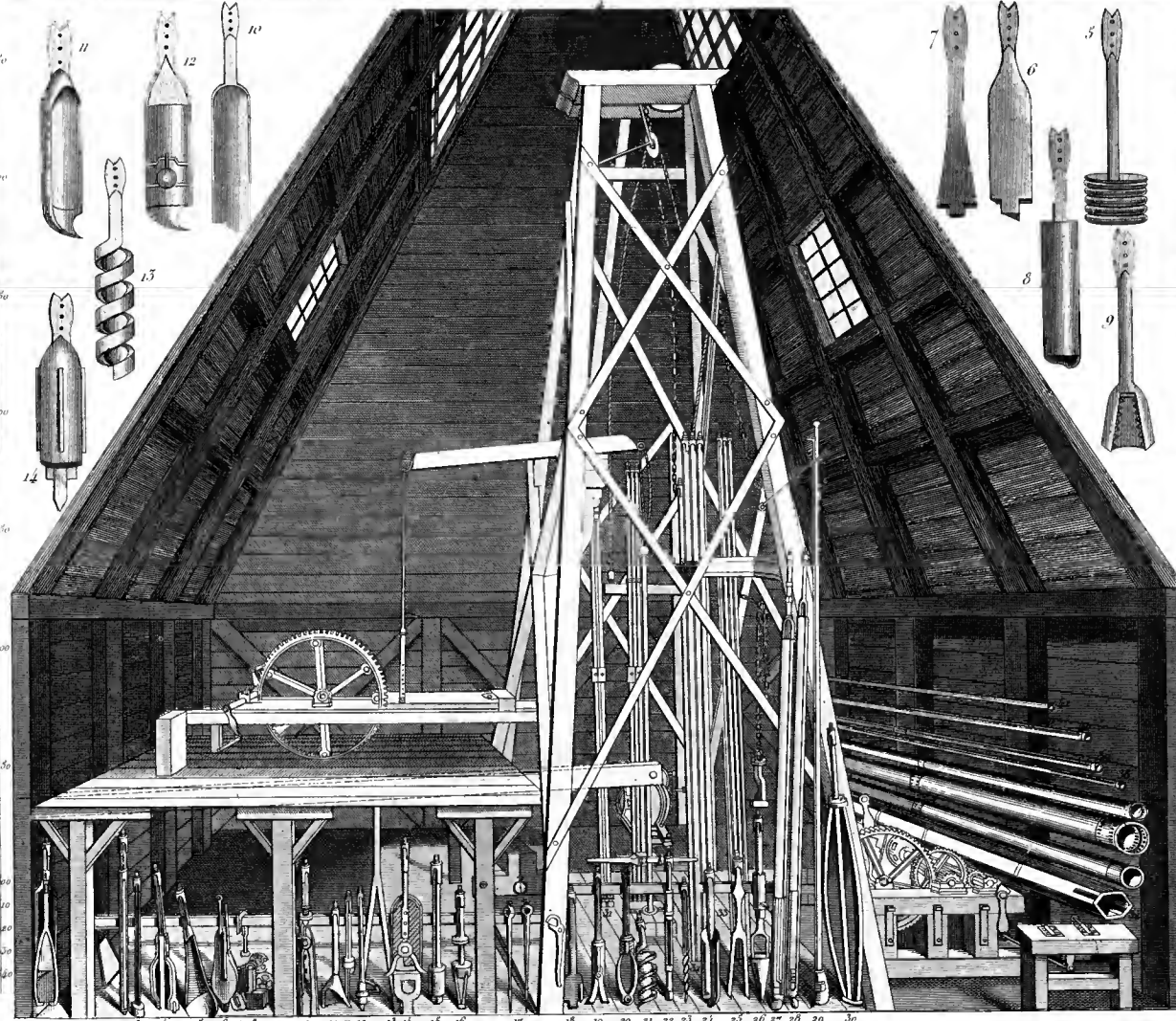
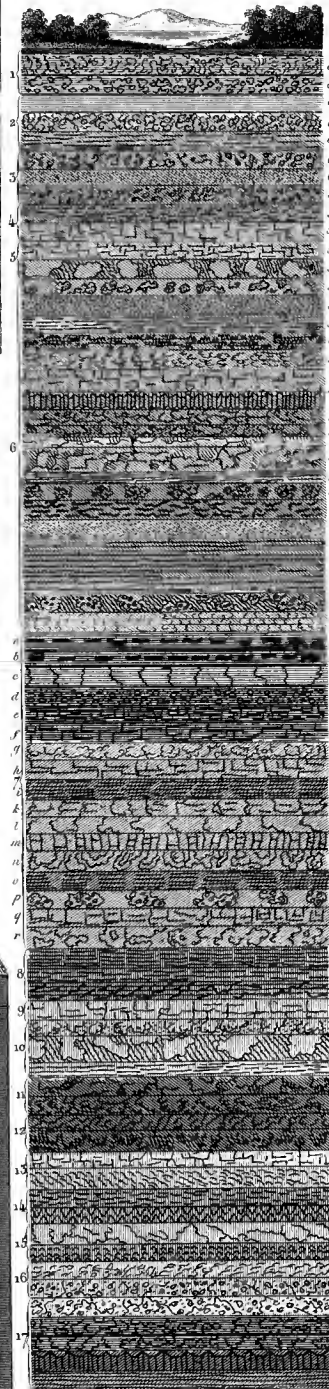
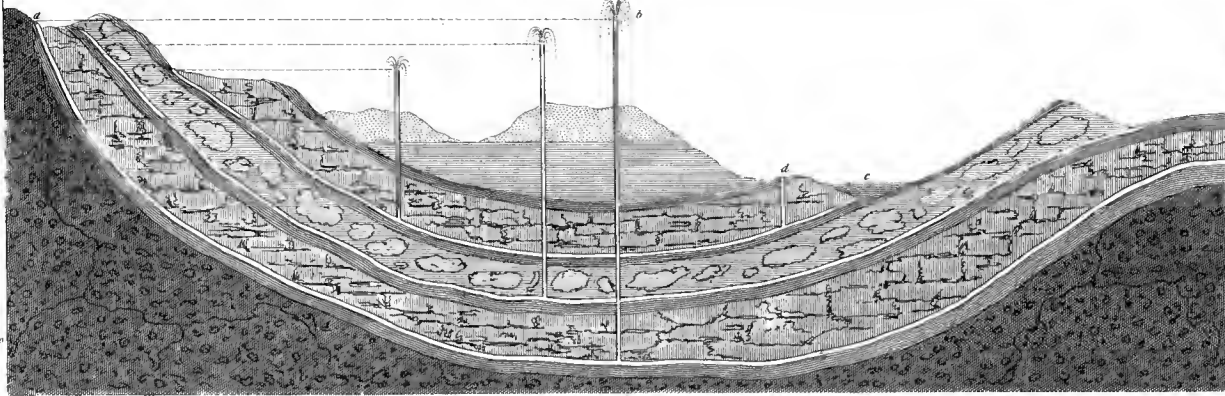
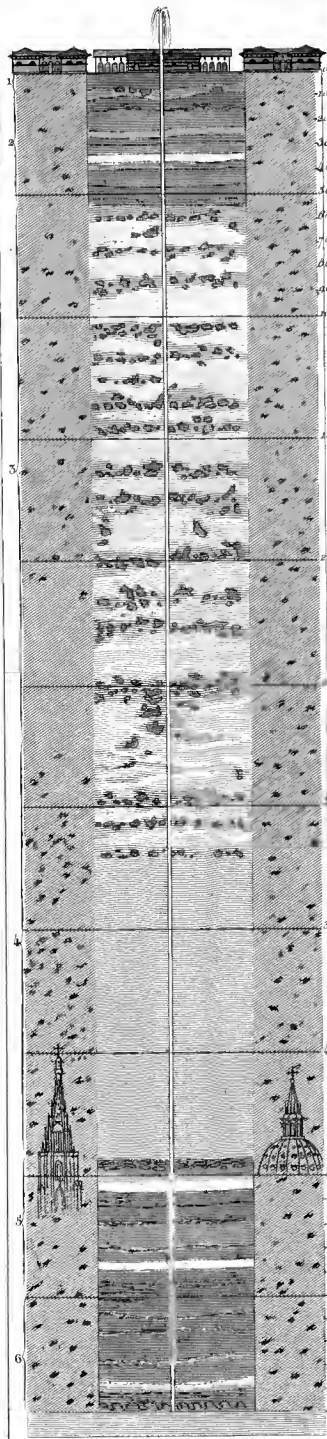
Granit	Graswacke	Harz und Thuringer Wald	Kohlegebirge	Tüllingendes	Zerklein
Bunter Sandstein	Muschelkalk	Uebergangskalk	Leuper	Obilith	Quader sandstein
Kreide	Tertiar	Süptland	Vulkanische Gebilde	Porphyz	
Aufgeschw Land	Tertiargebilde	Kreide	Vogessandste	Trias	Stark Gebilde
Kollensandstein	Kollenskalk	Devon System	Silar System	Vulk Gebilde	Vulk Gebilde



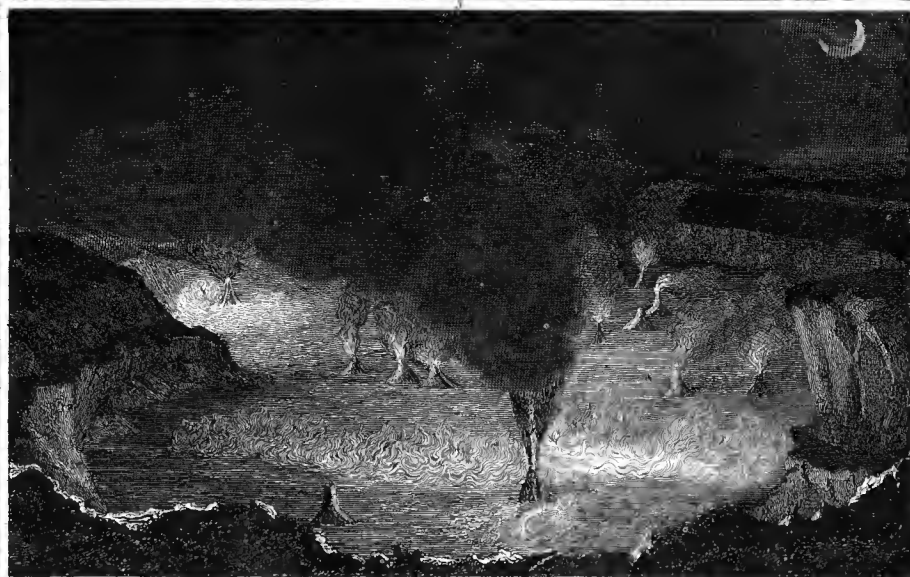
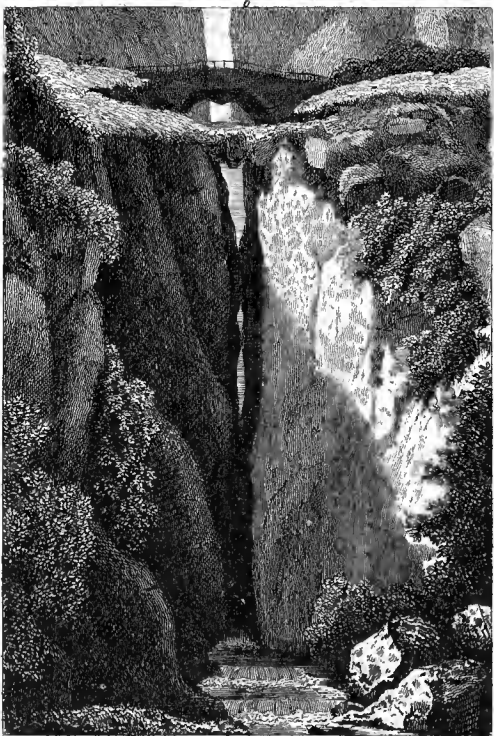
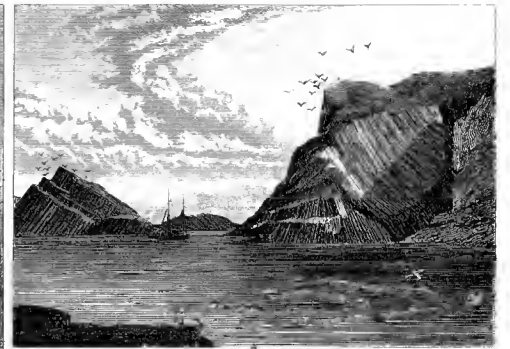
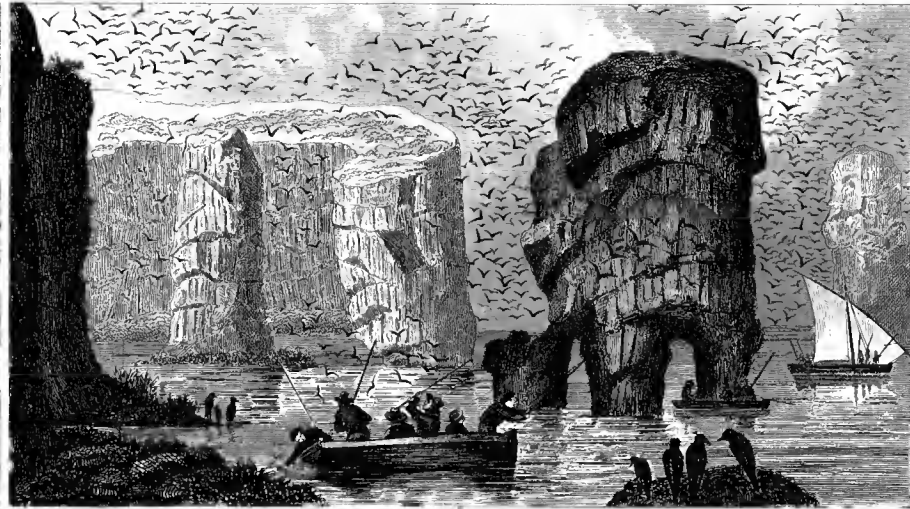




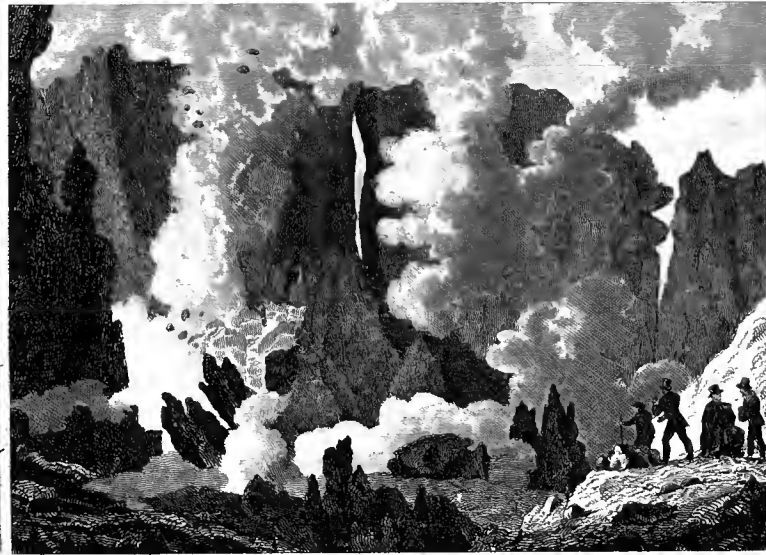
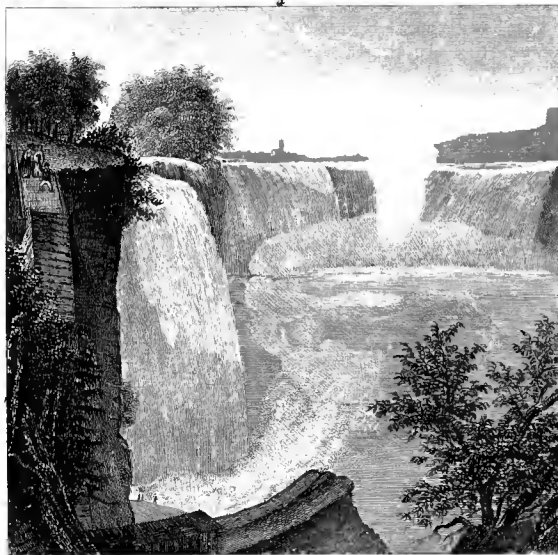
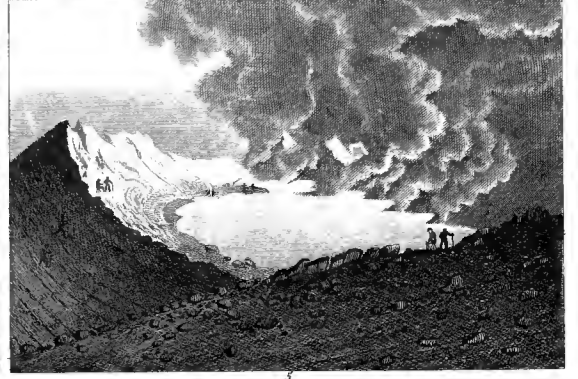
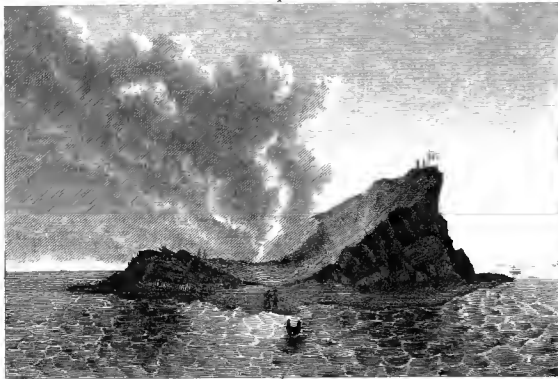
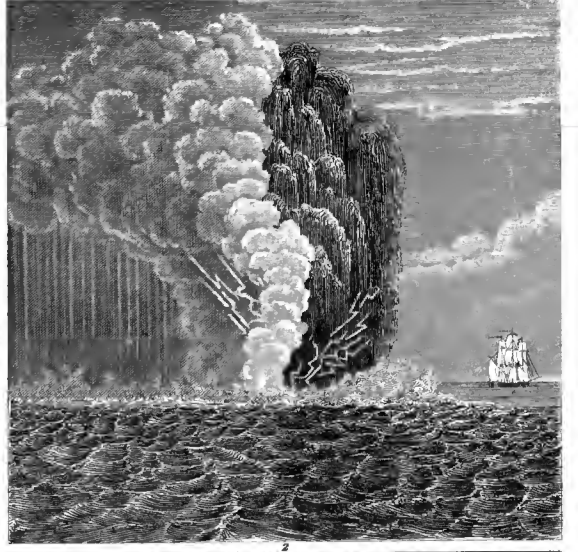
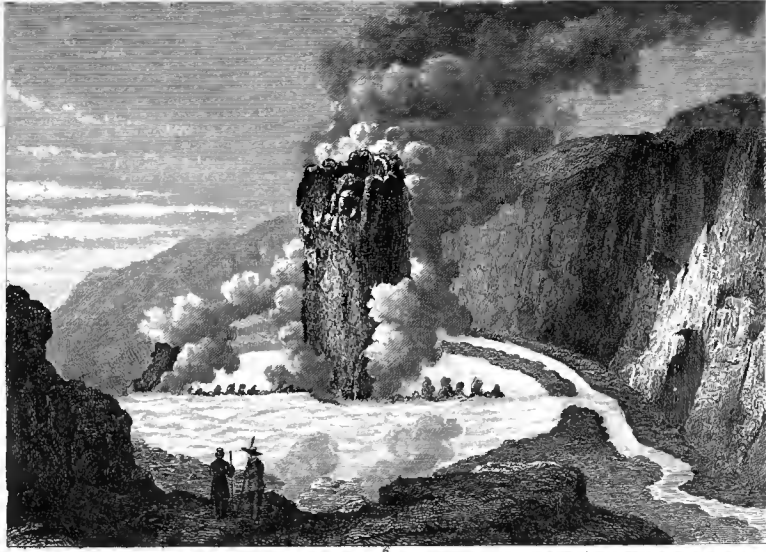
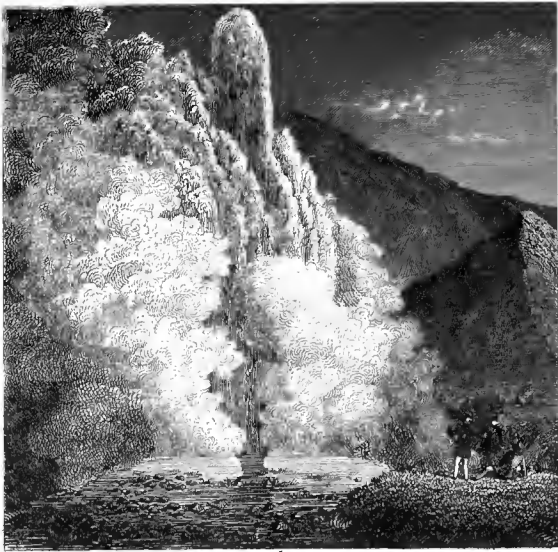




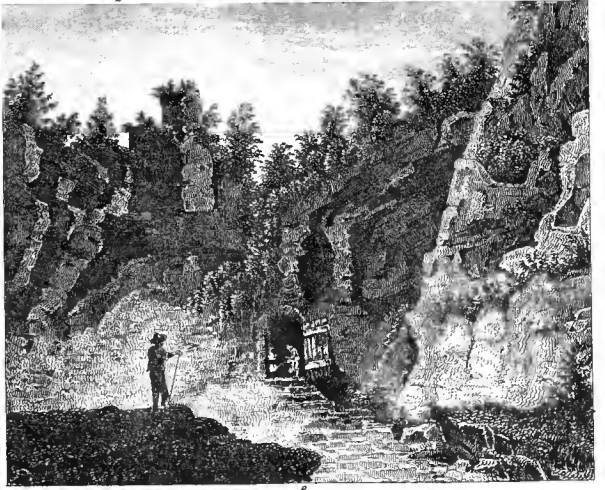
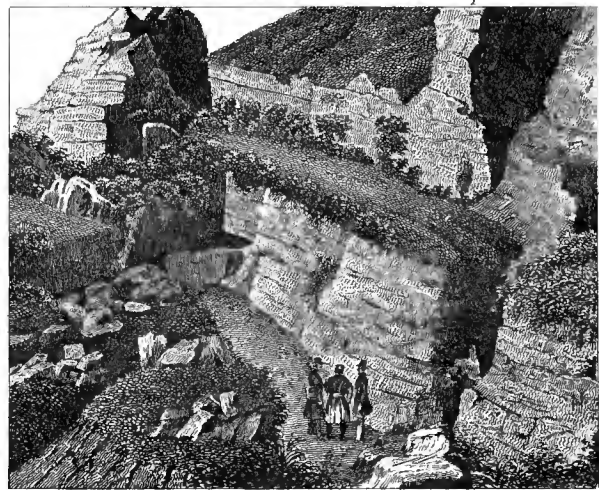
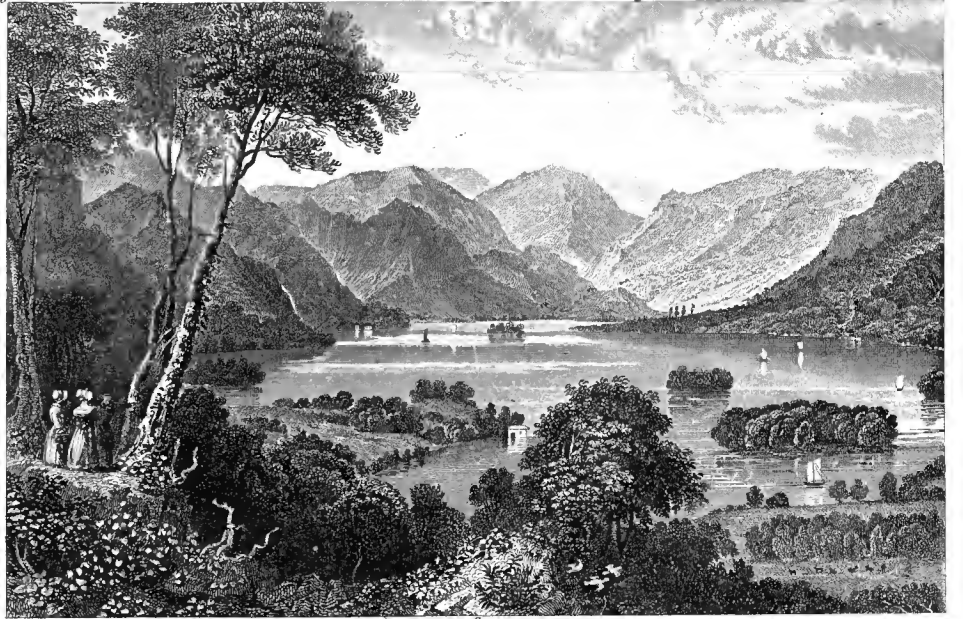
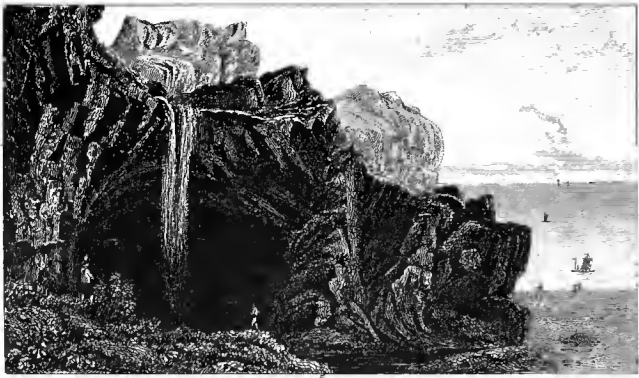










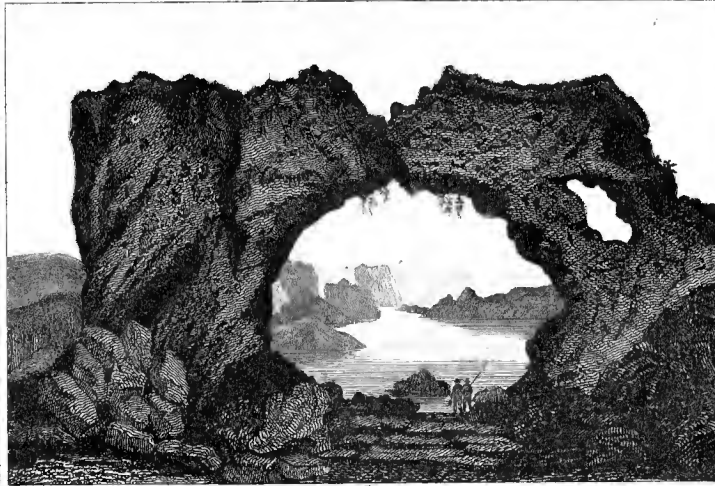
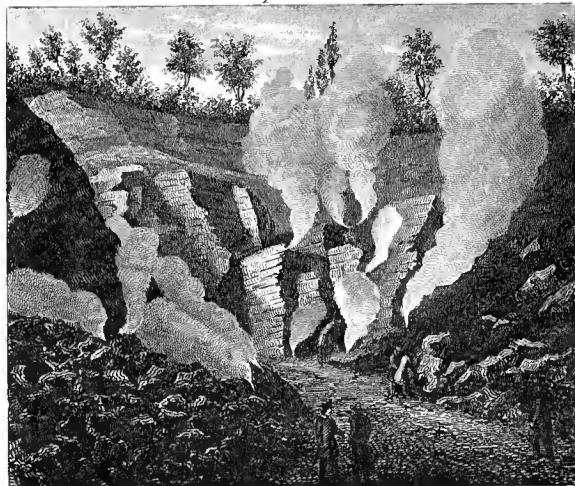
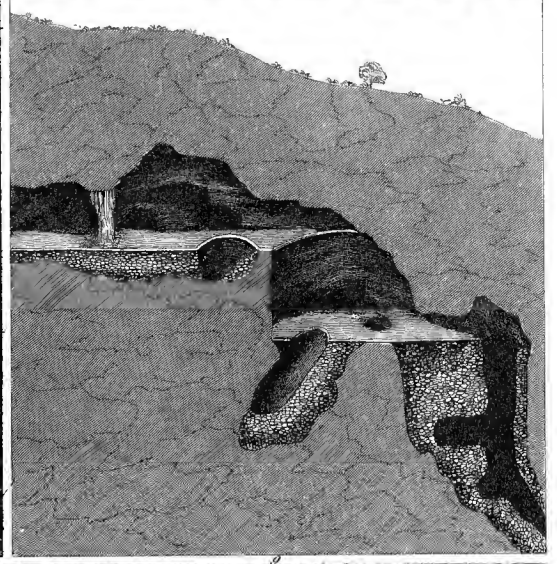
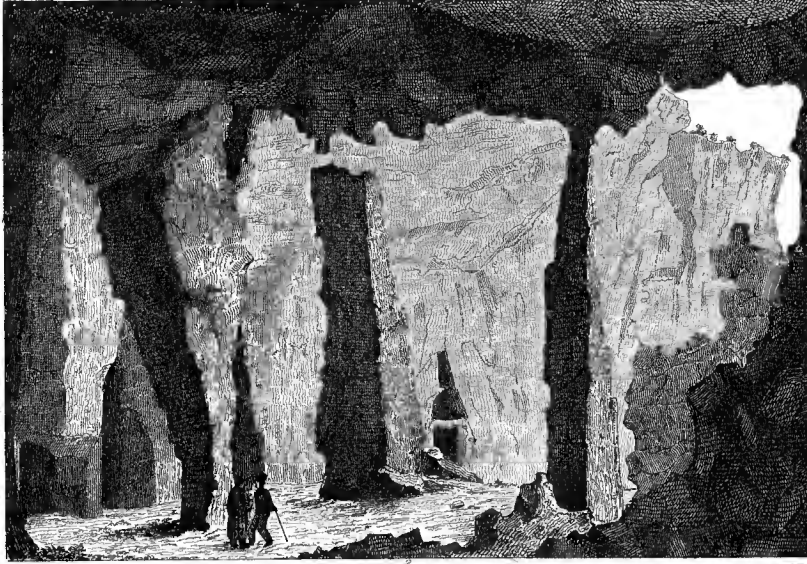
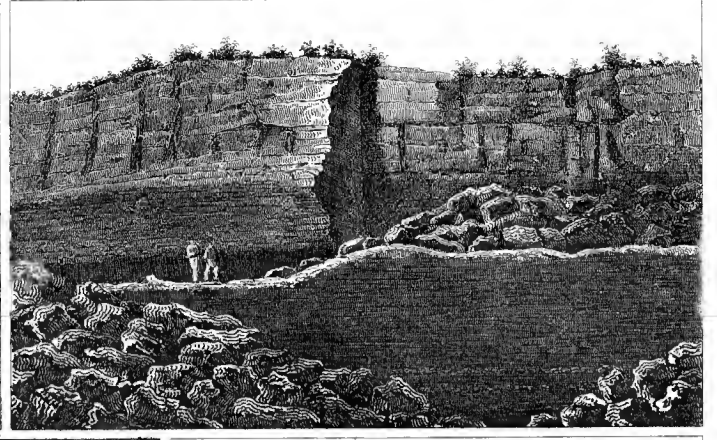
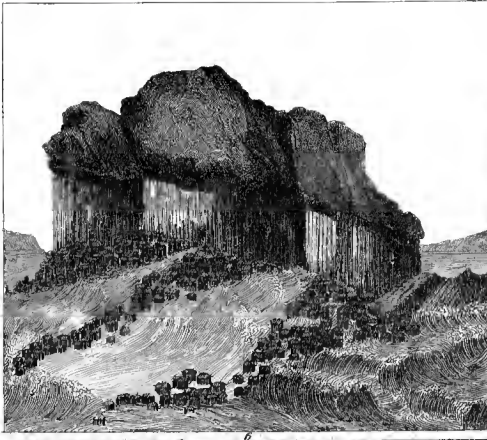
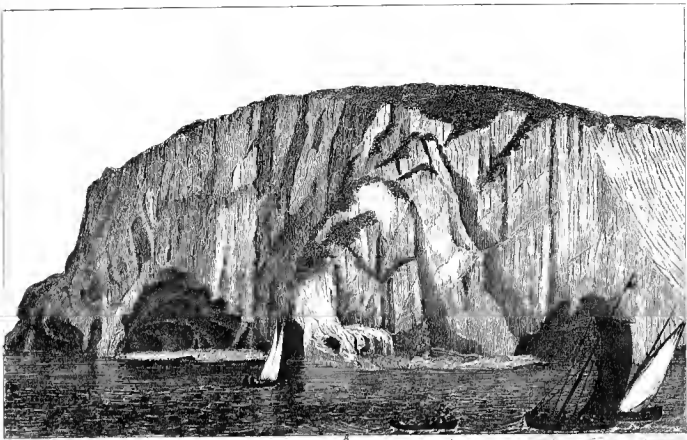


7

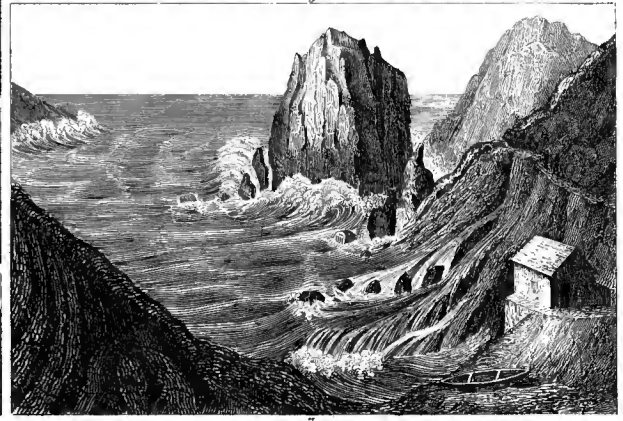
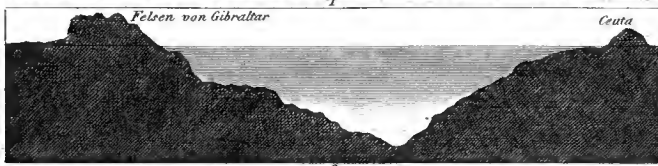
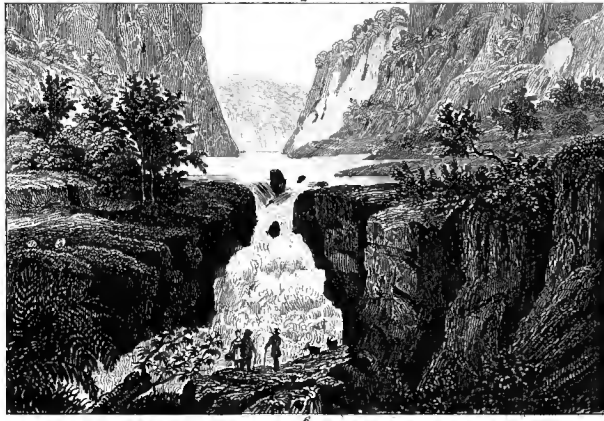
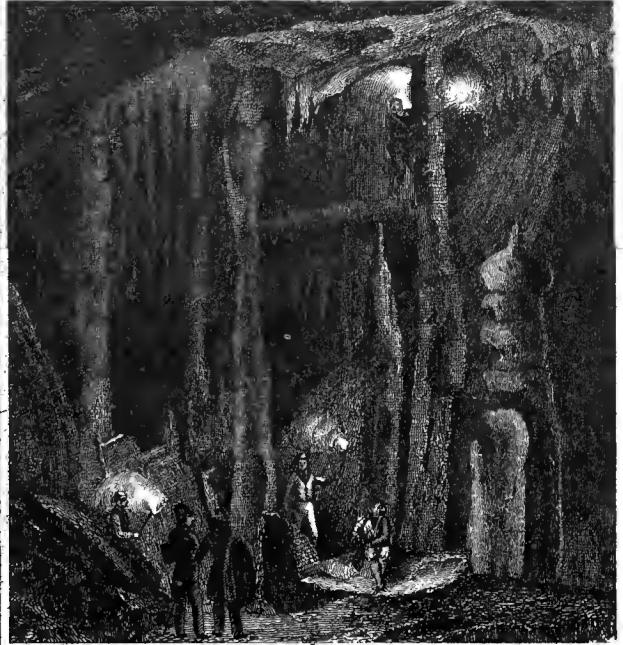
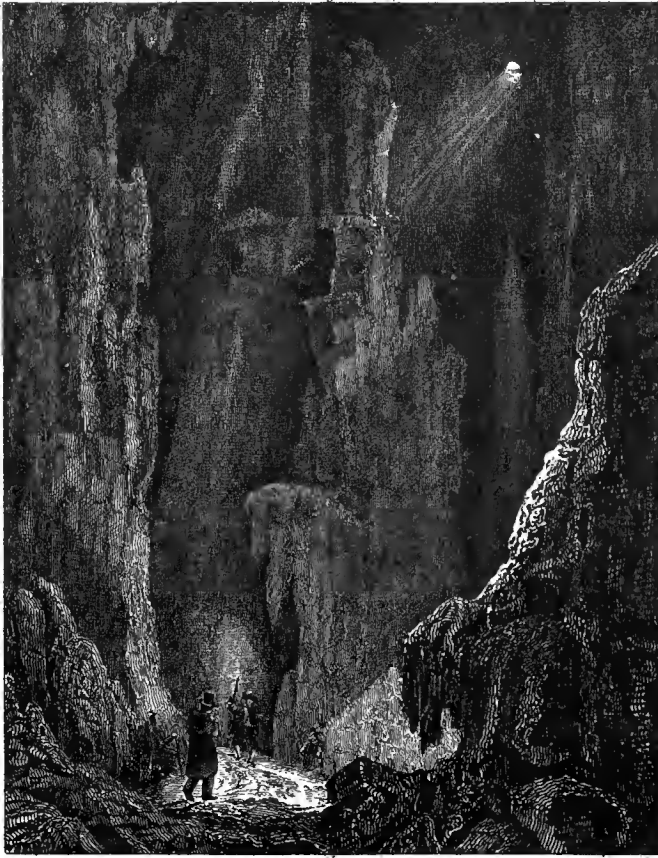
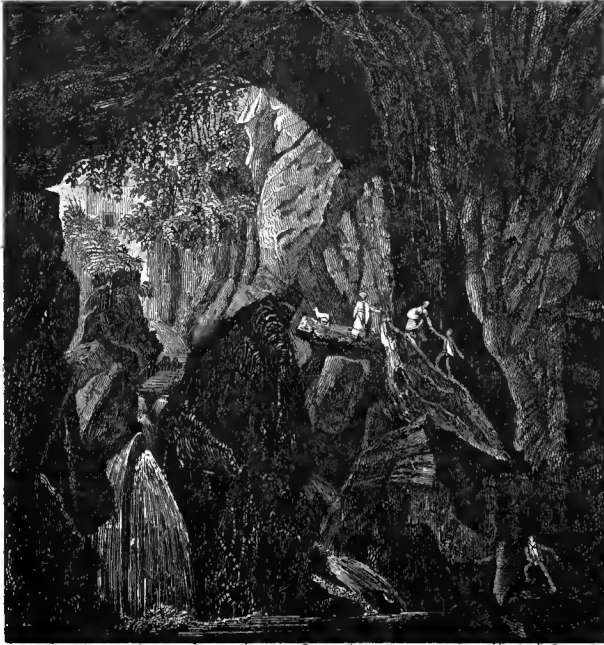
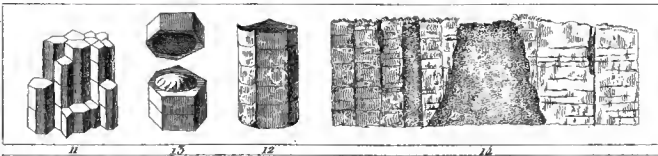
5

8

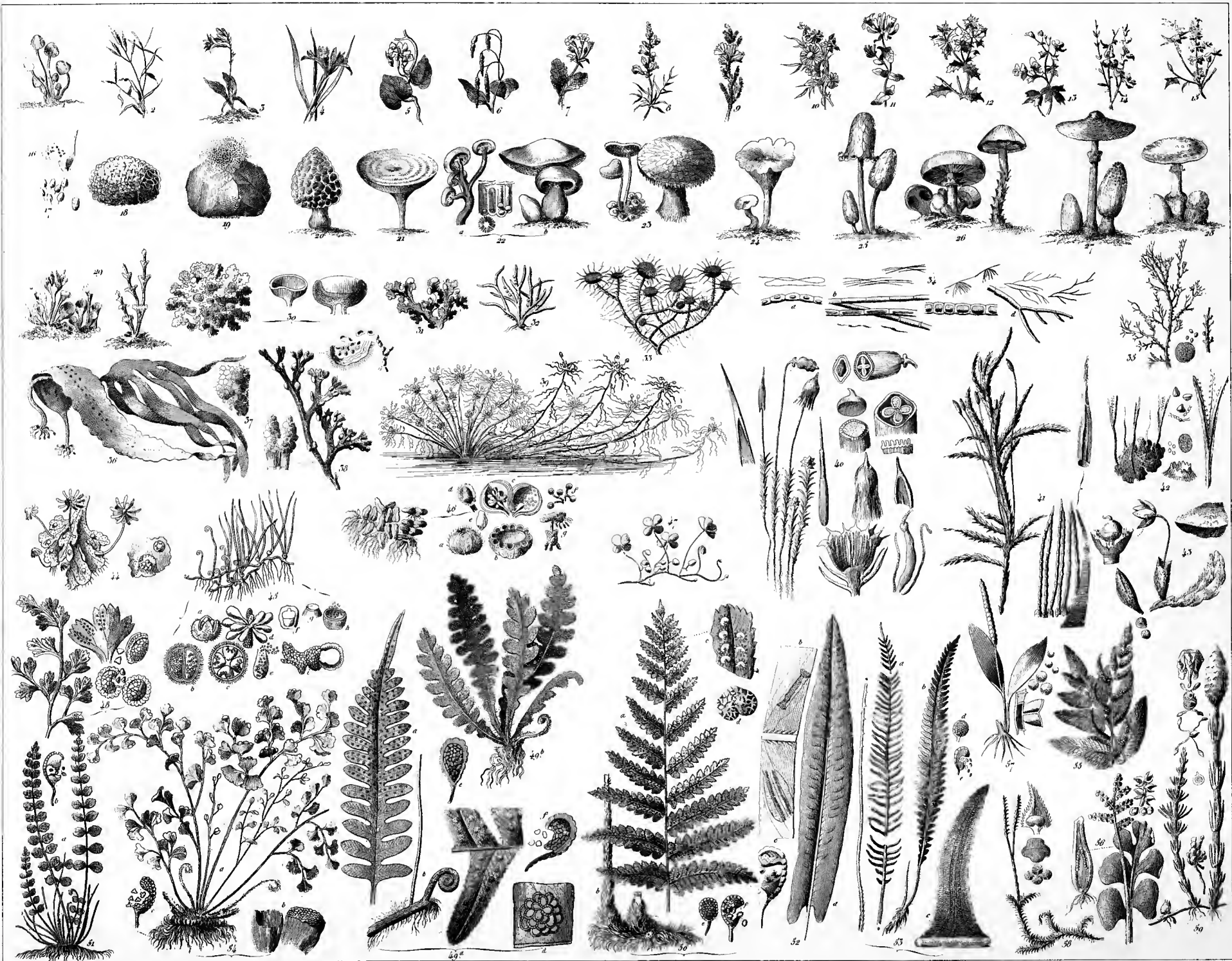










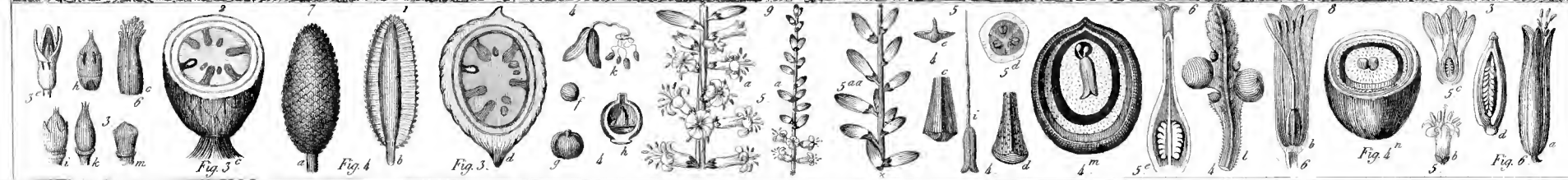






Feigen oder Bananen Baum.











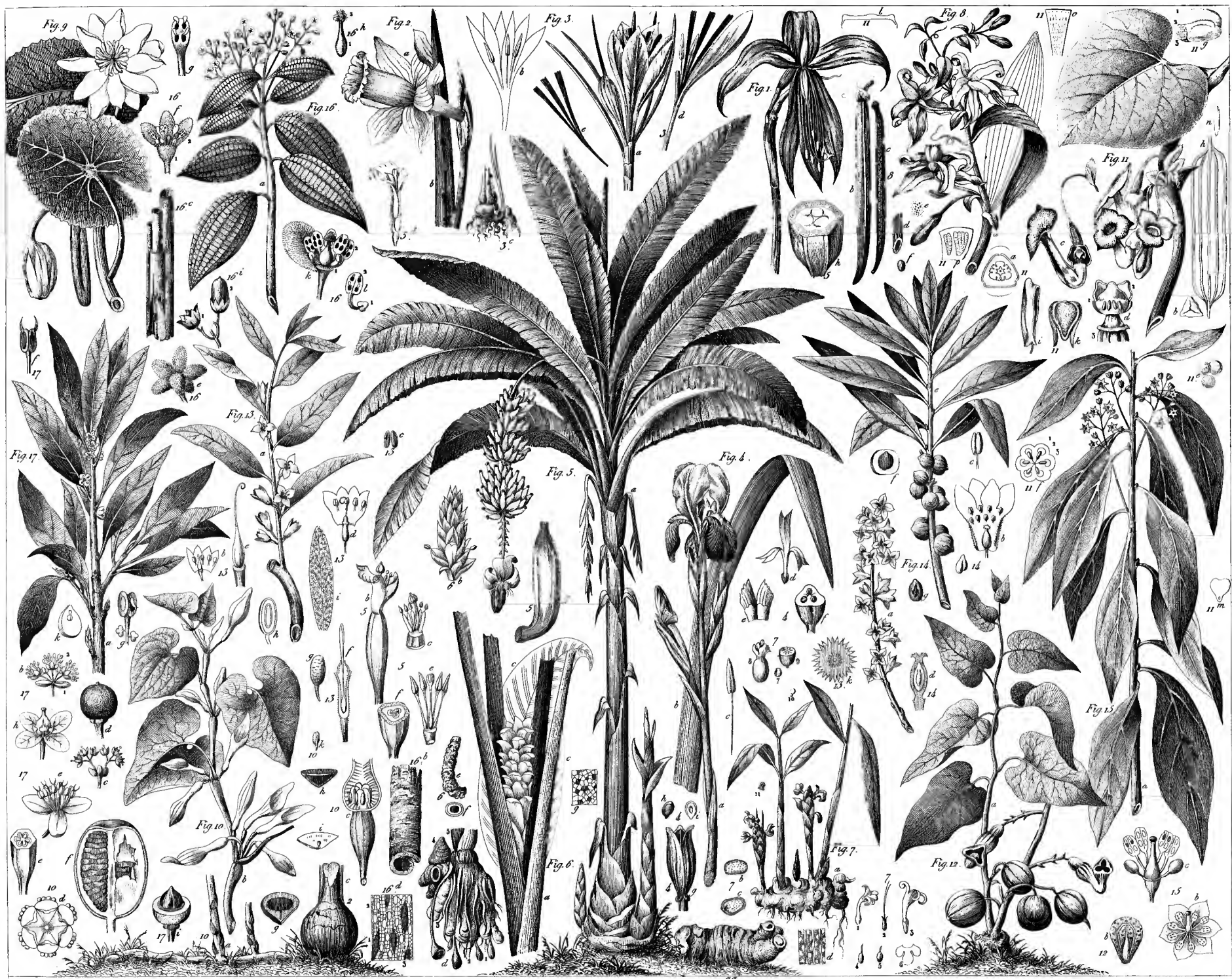














Fig. 5

Fig. 12

Fig. 1

Fig. 5

Fig. 2

Fig. 9

Fig. 4

Fig. 11

Fig. 6

Fig. 7

Fig. 13

Fig. 10

Fig. 8





































Fig. 1

Fig. 5

Fig. 6

Fig. 2

Fig. 11

Fig. 3

Fig. 12

Fig. 4 B

Fig. 9

Fig. 13

Fig. 7

Fig. 10

Fig. 4 A

Fig. 8

Fig. 14



Fig. 1.

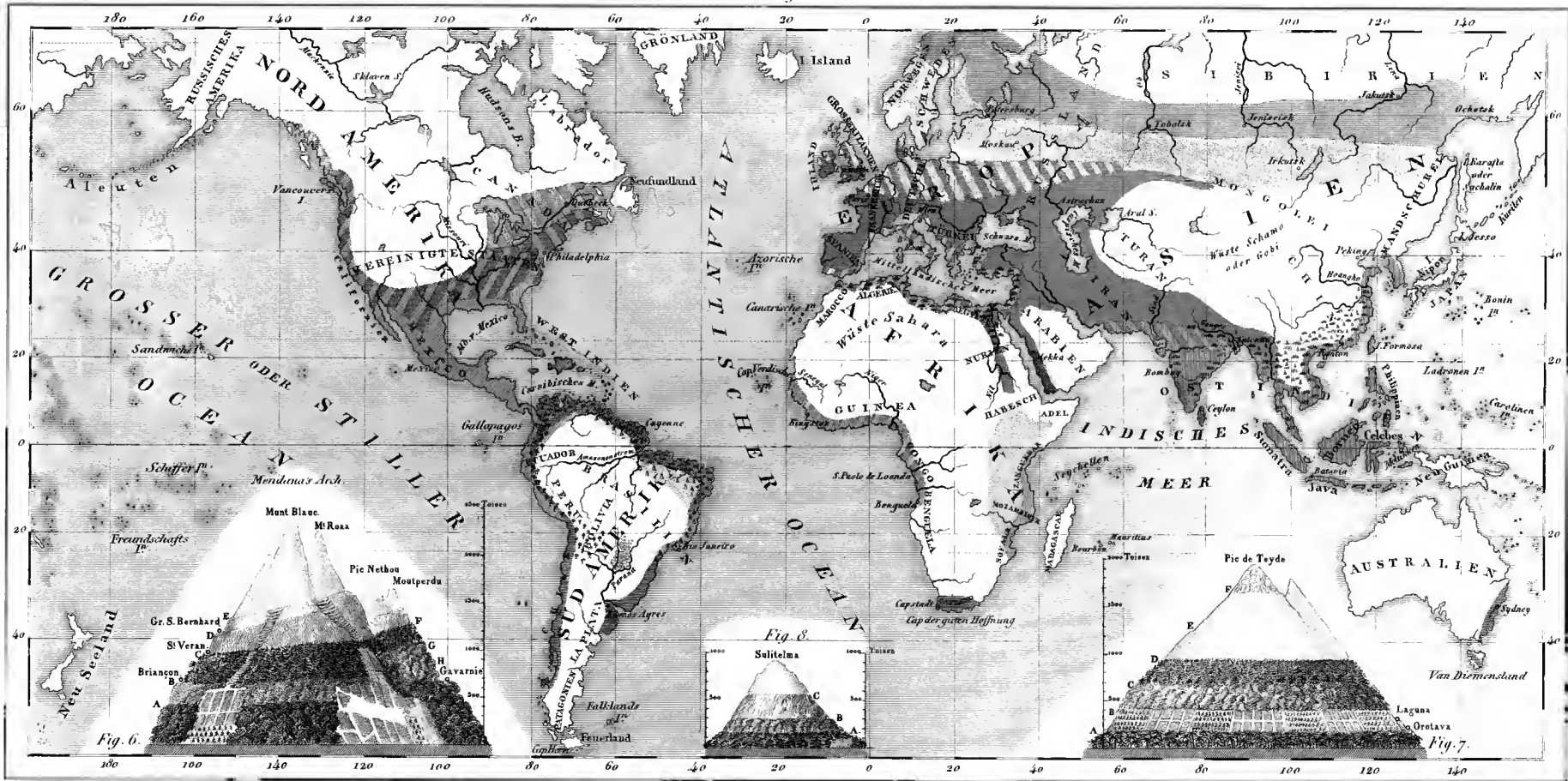


Fig. 6.

Fig. 8.

Fig. 7.

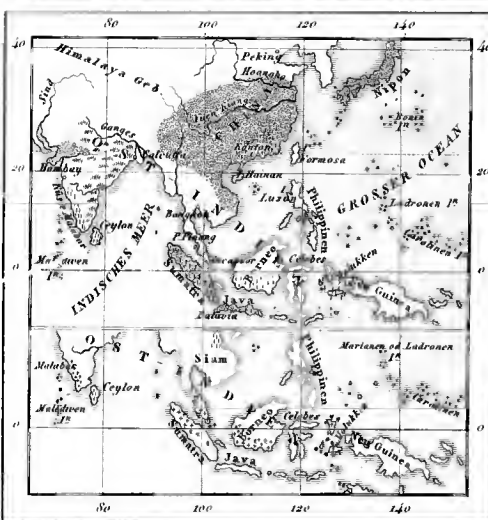


Fig. 2.

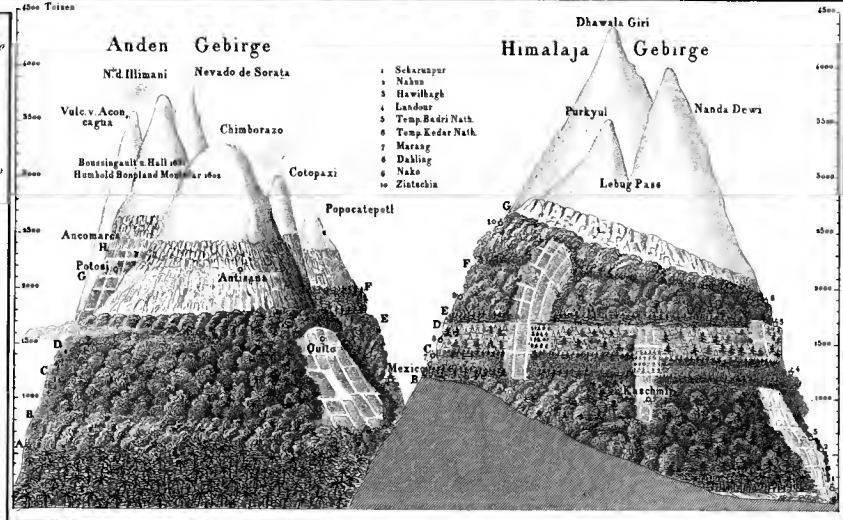


Fig. 5.

Fig. 4.

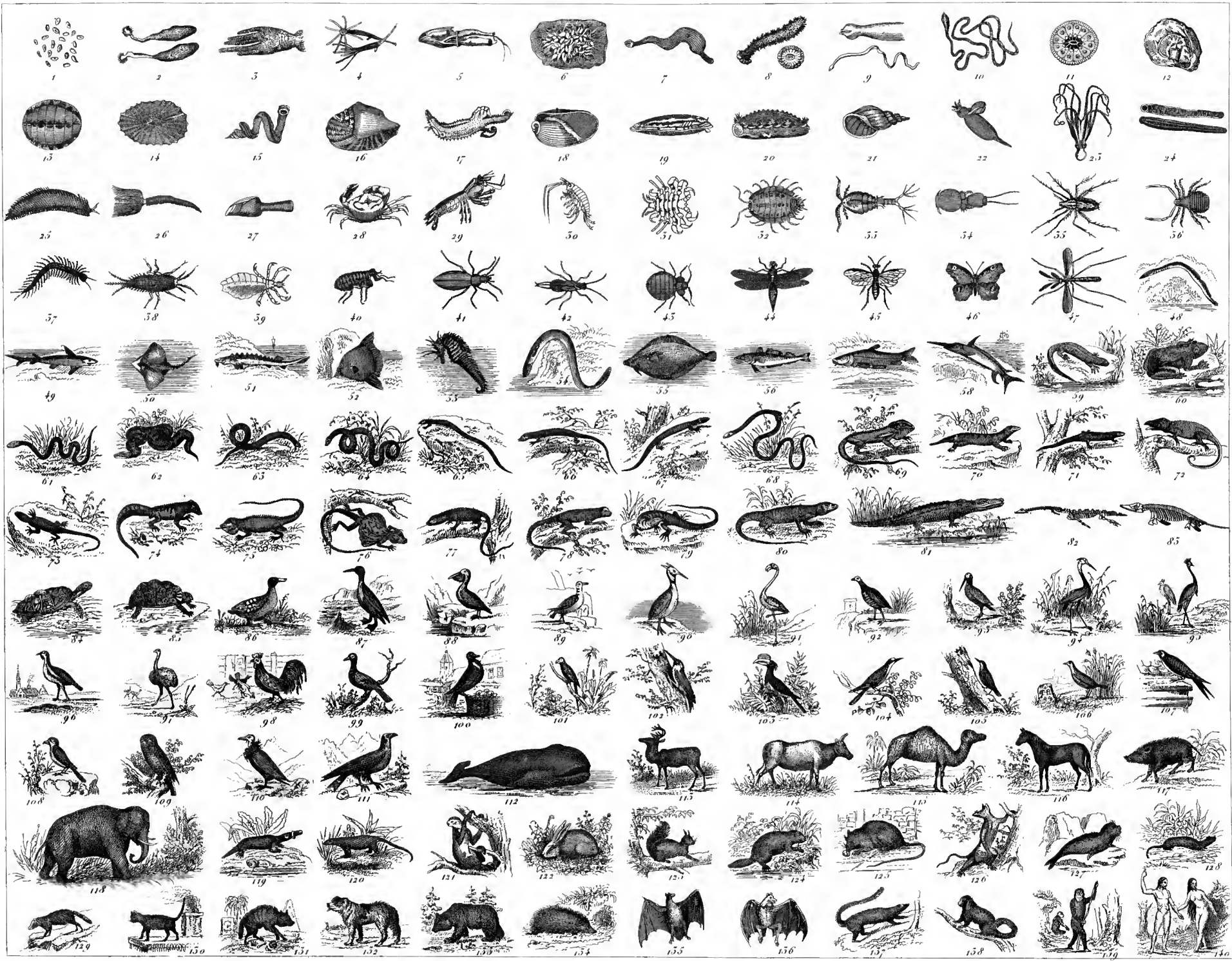


Fig. 3.

Zeichenerklärung für Figur 1 u. 5.

- Gerste u. Hafer
- Reggen
- Wälder
- Meer
- Ries
- Cacao
- Zucker
- Kaffee
- Thee
- Zinn
- Pflafer
- Muscathan
- Vanille
- Gewürznelken
- Baumwolle
- Chinawälder







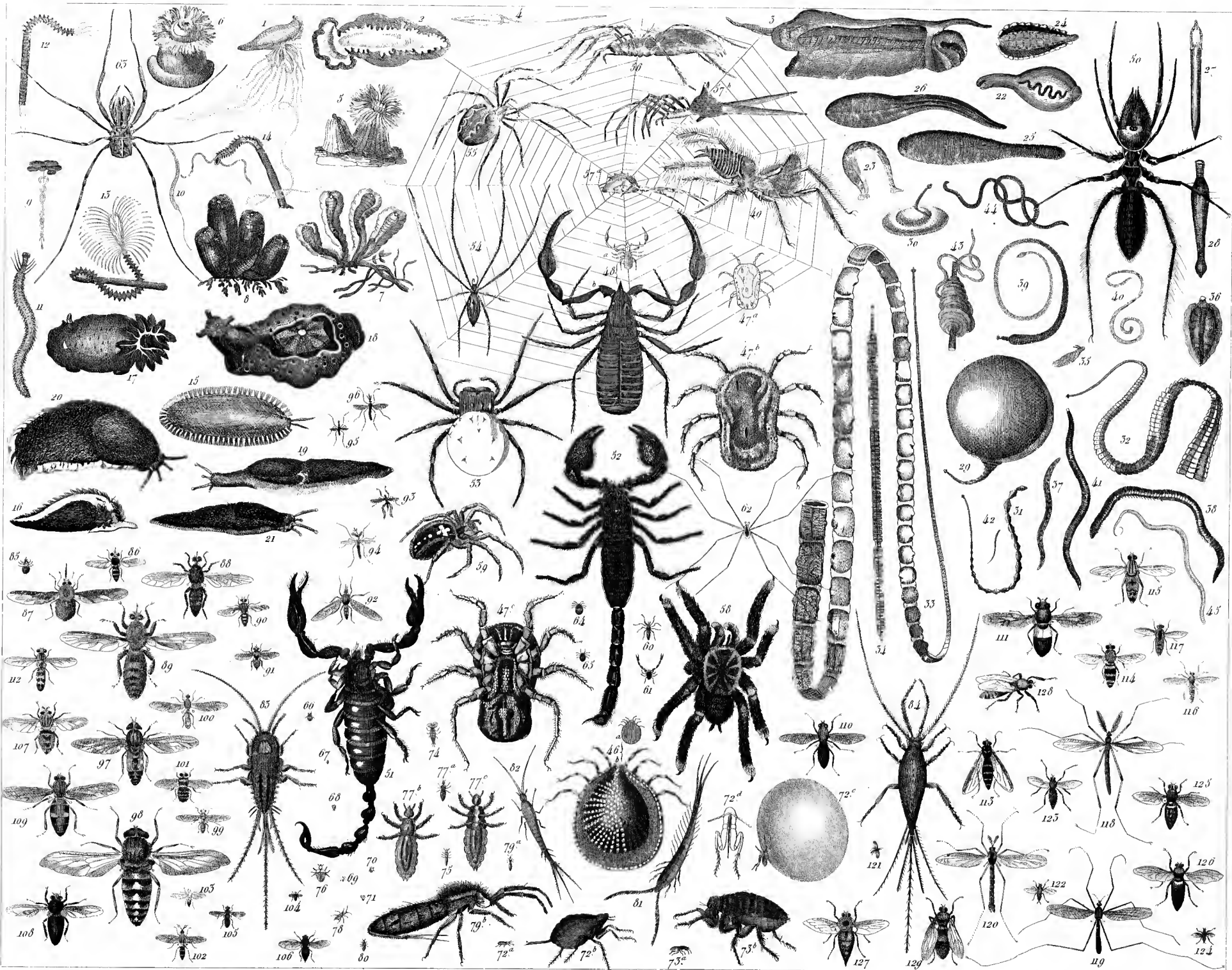




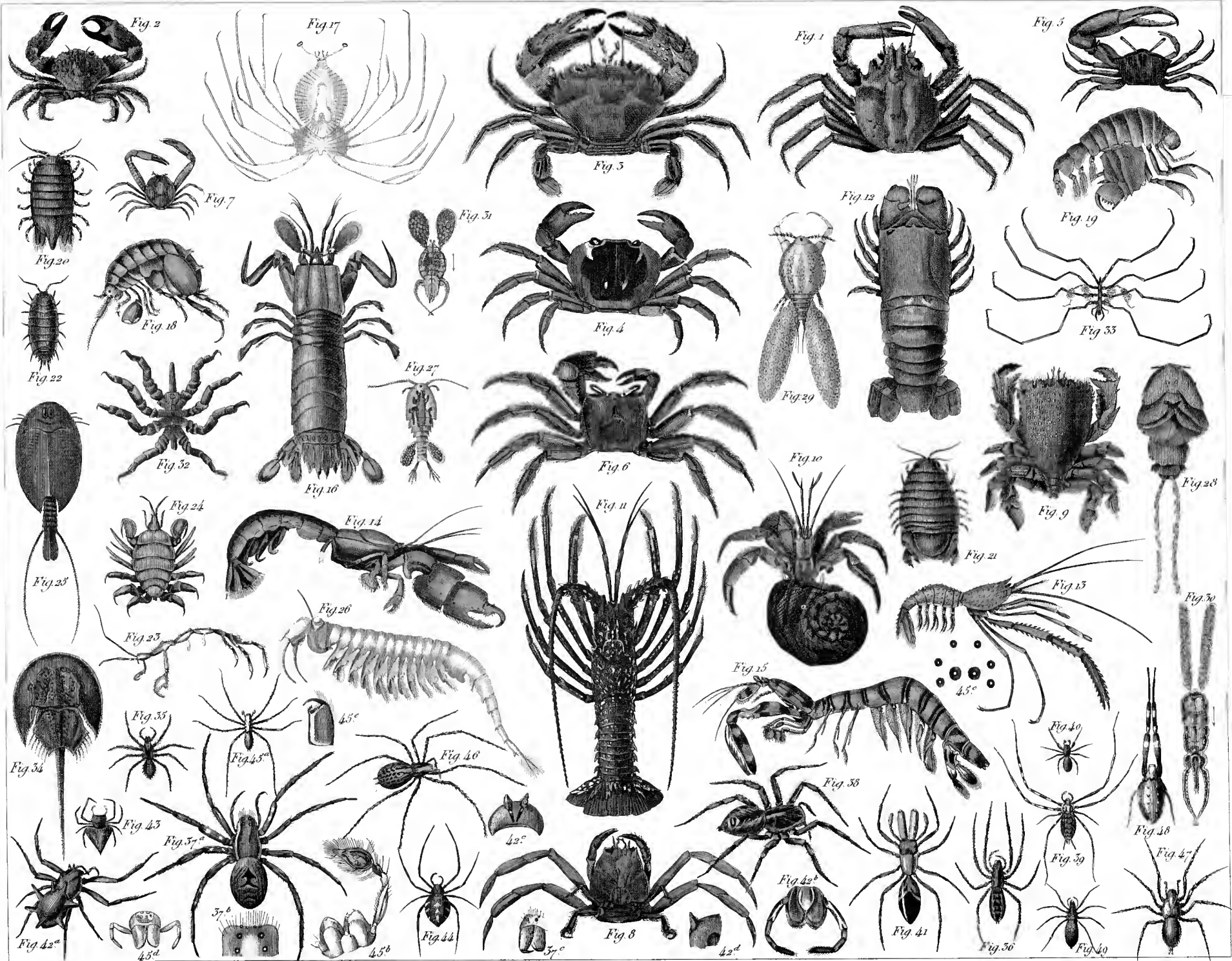


Figur 55

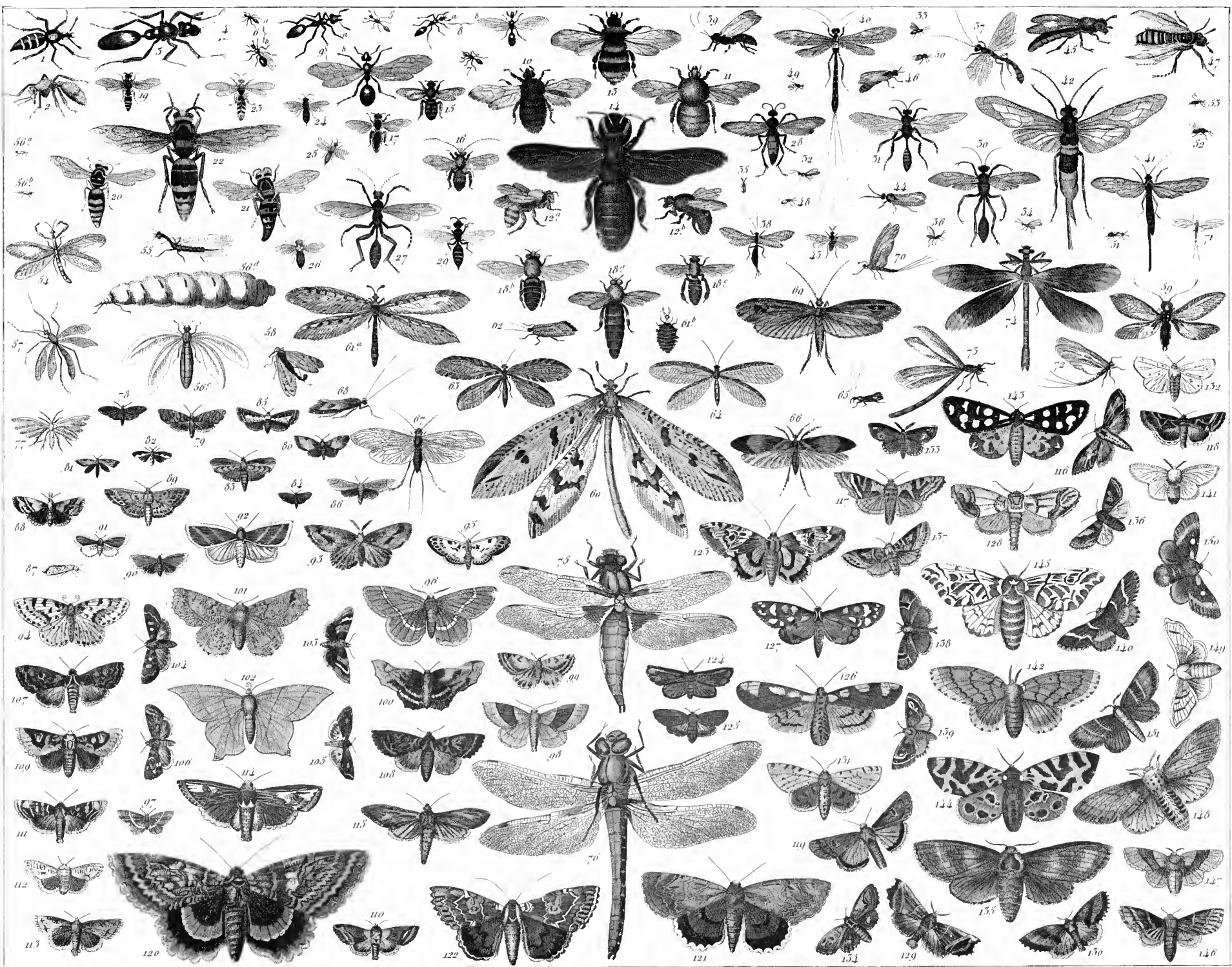




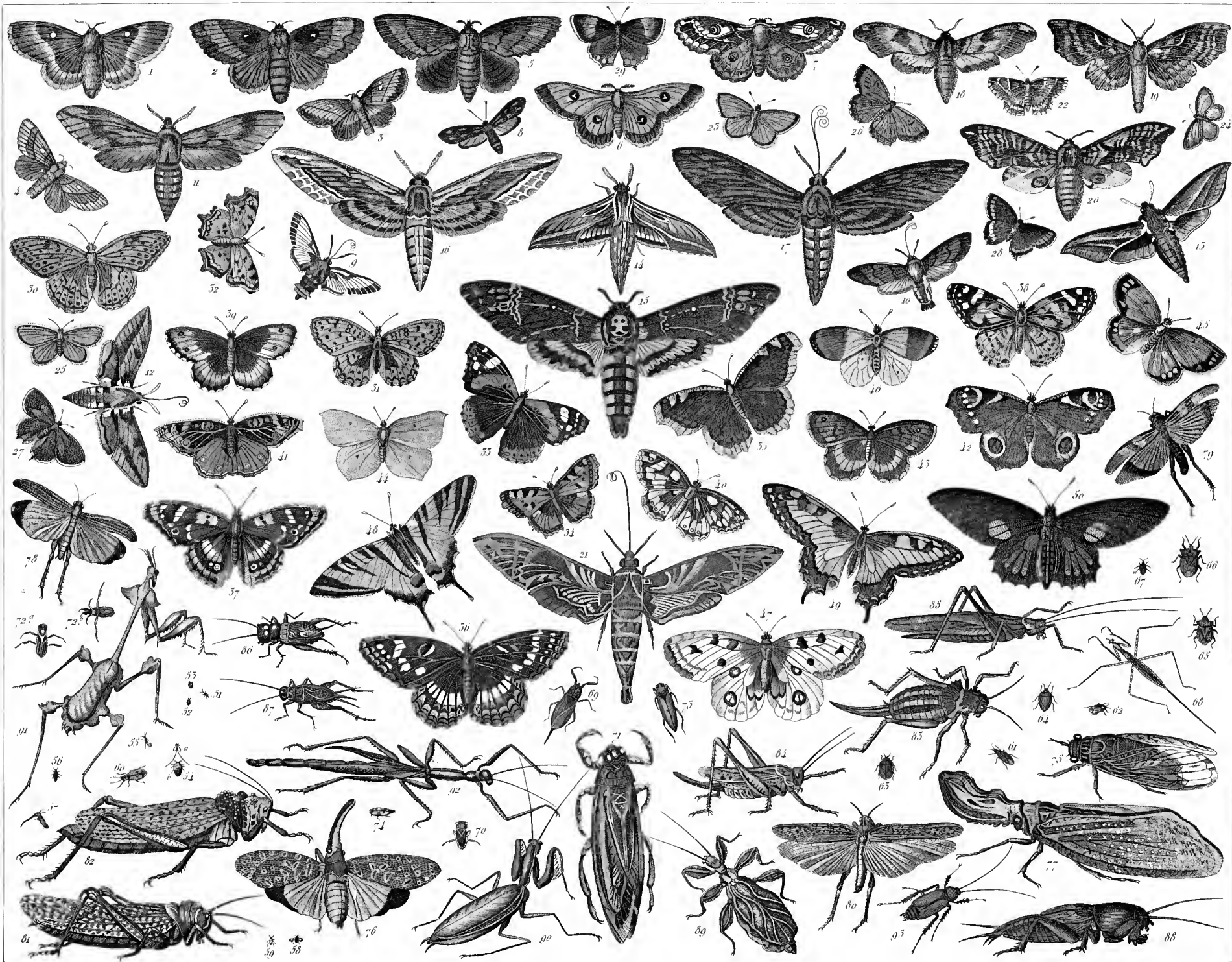




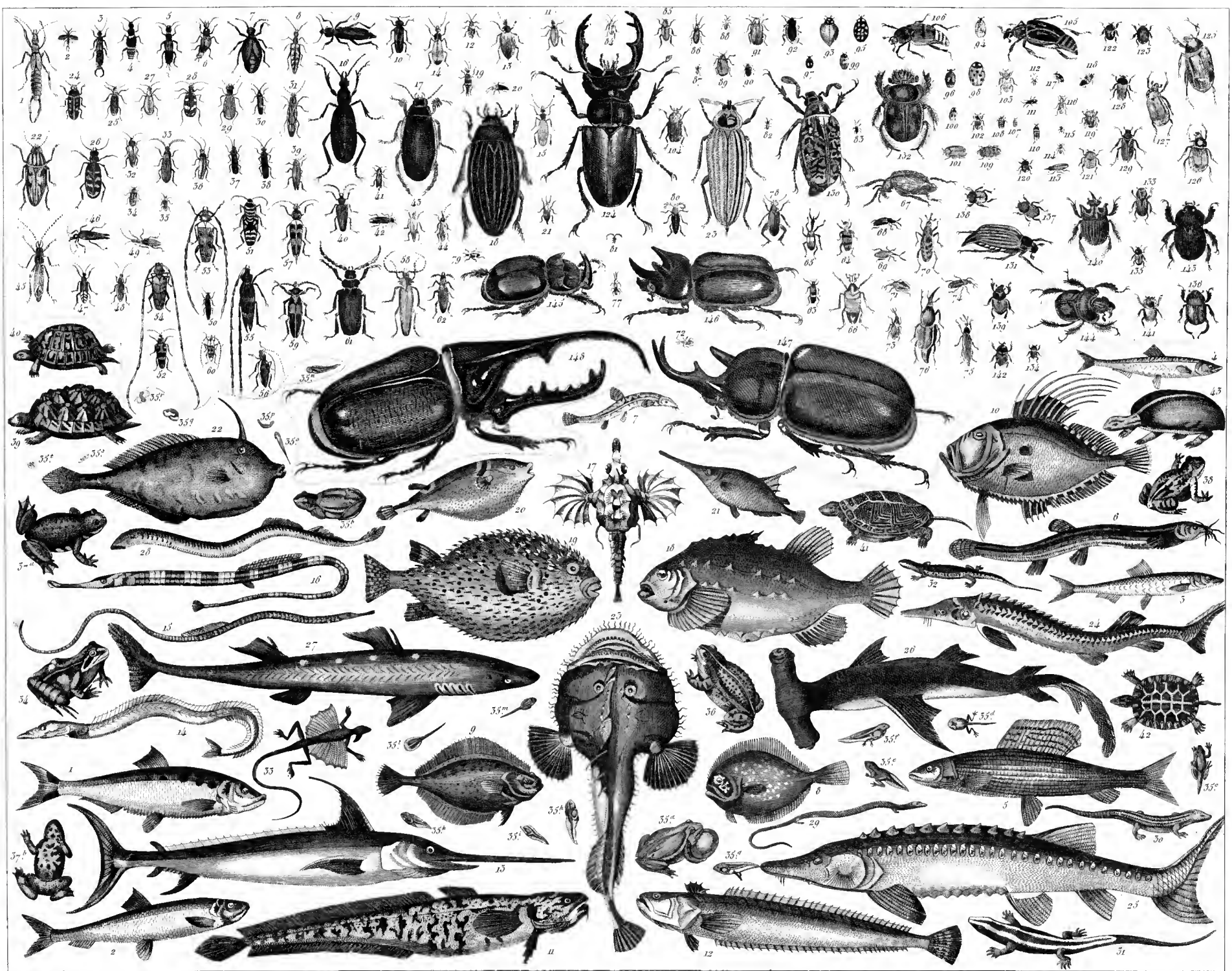




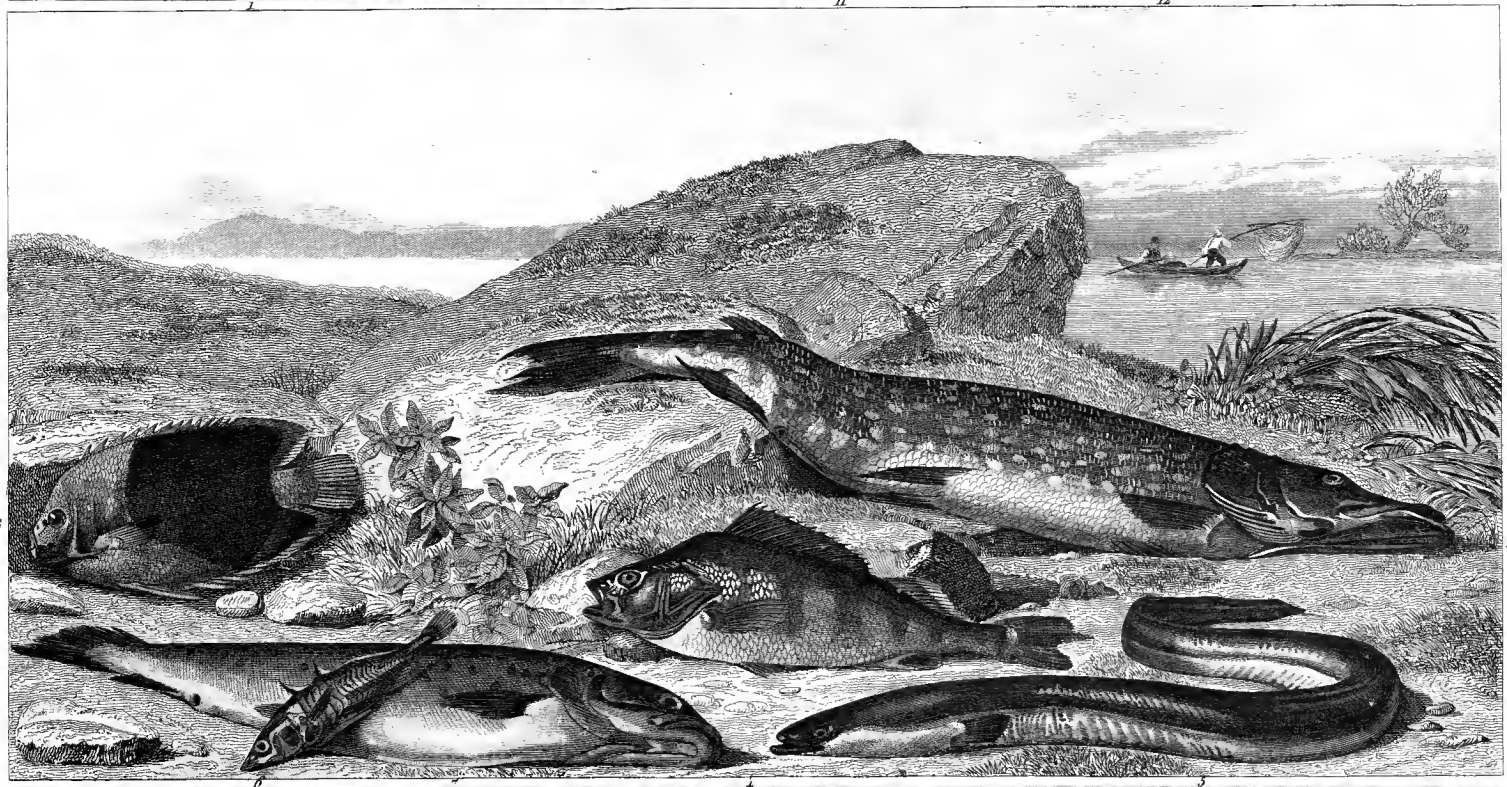
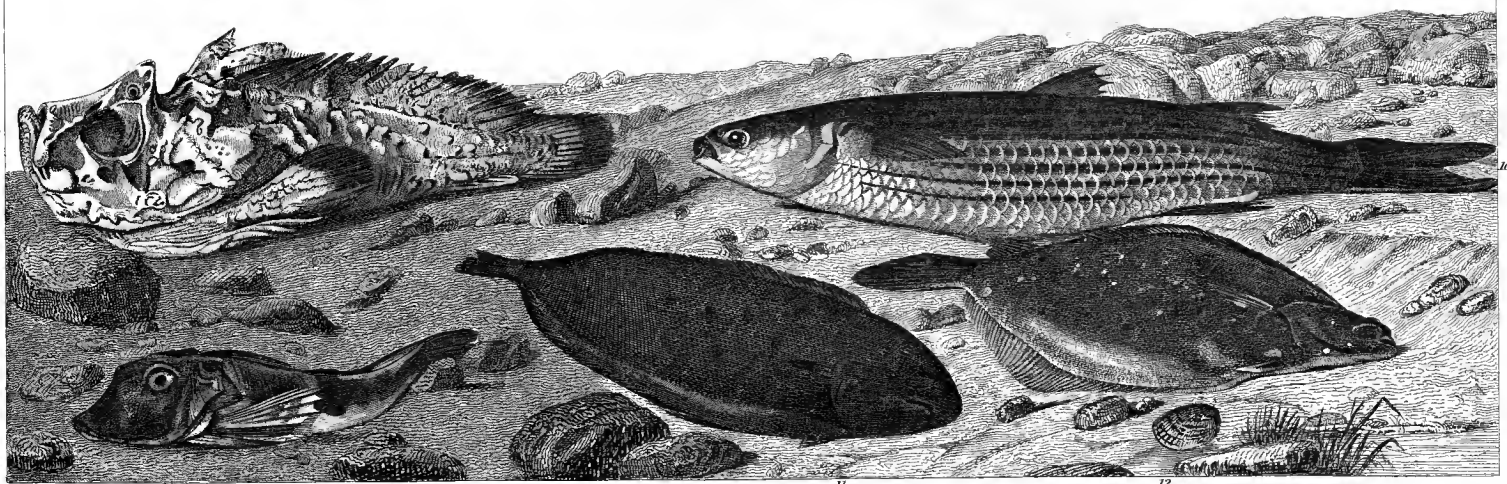








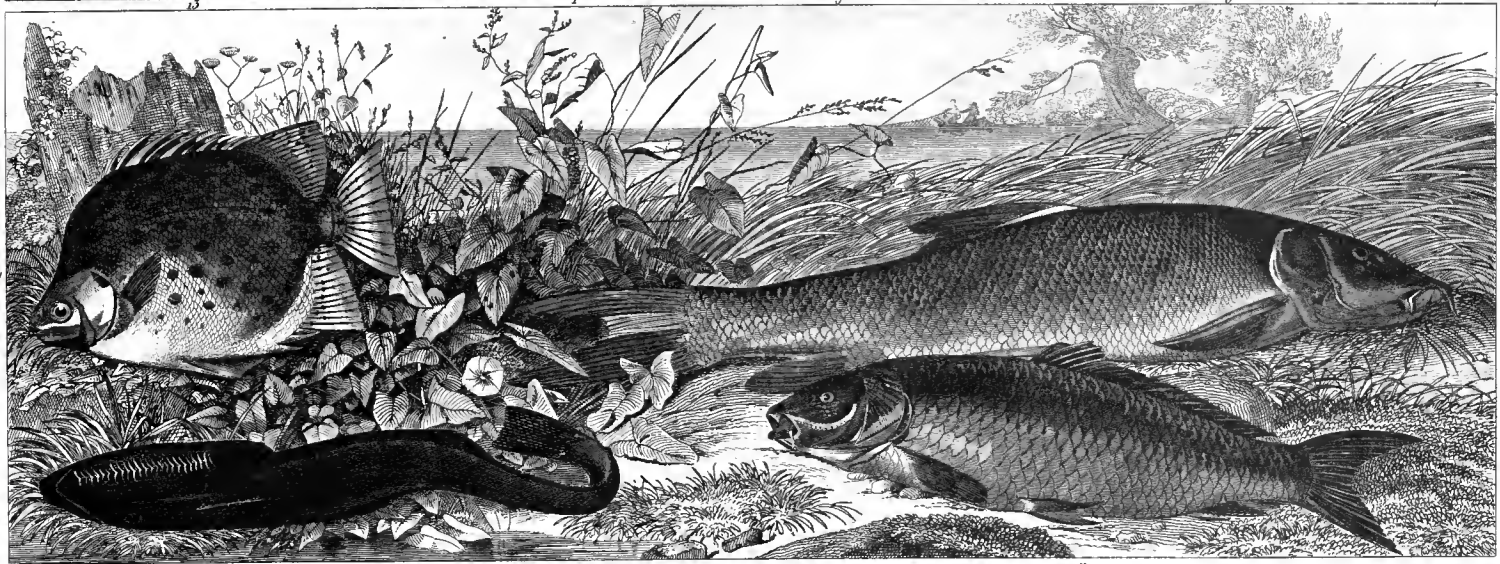
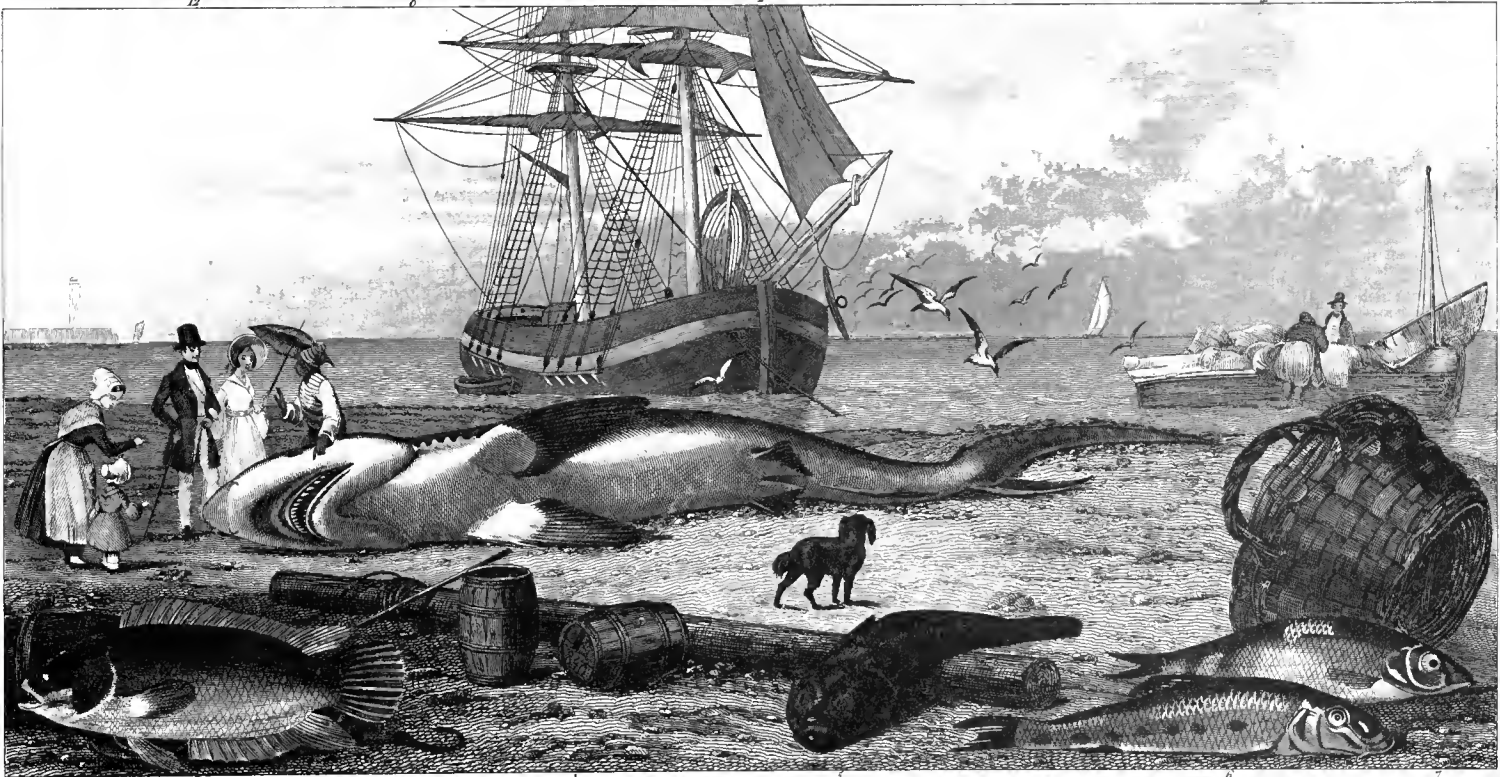
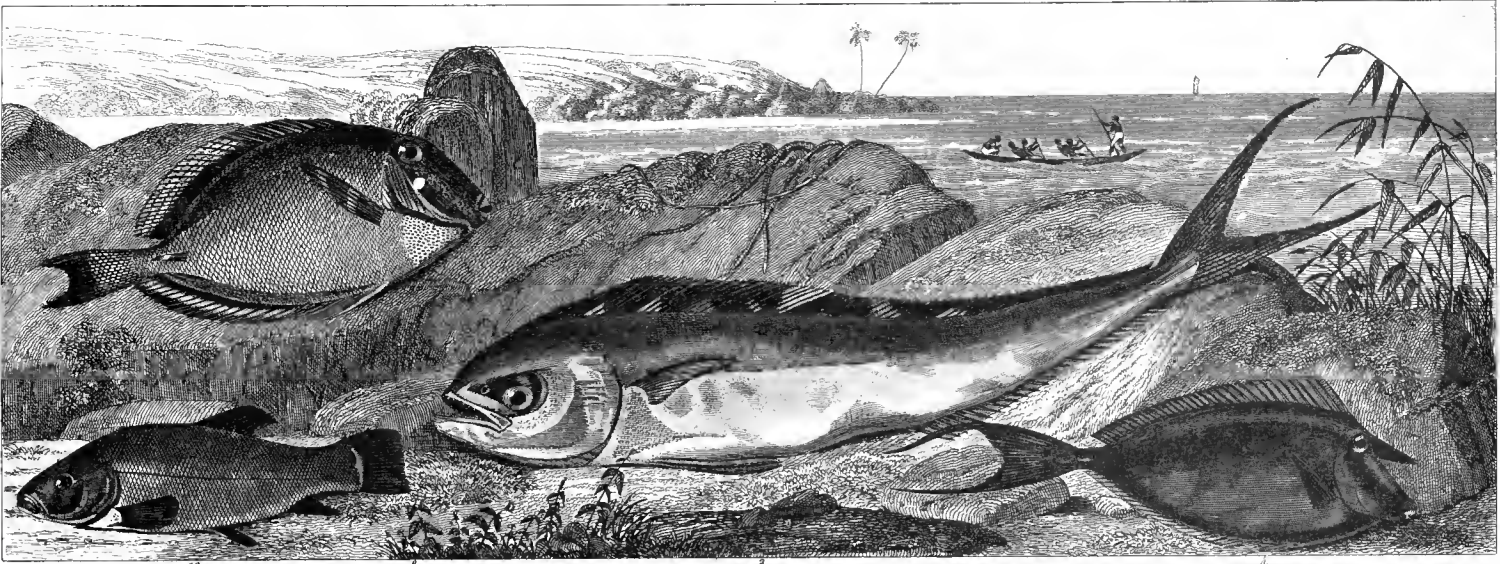




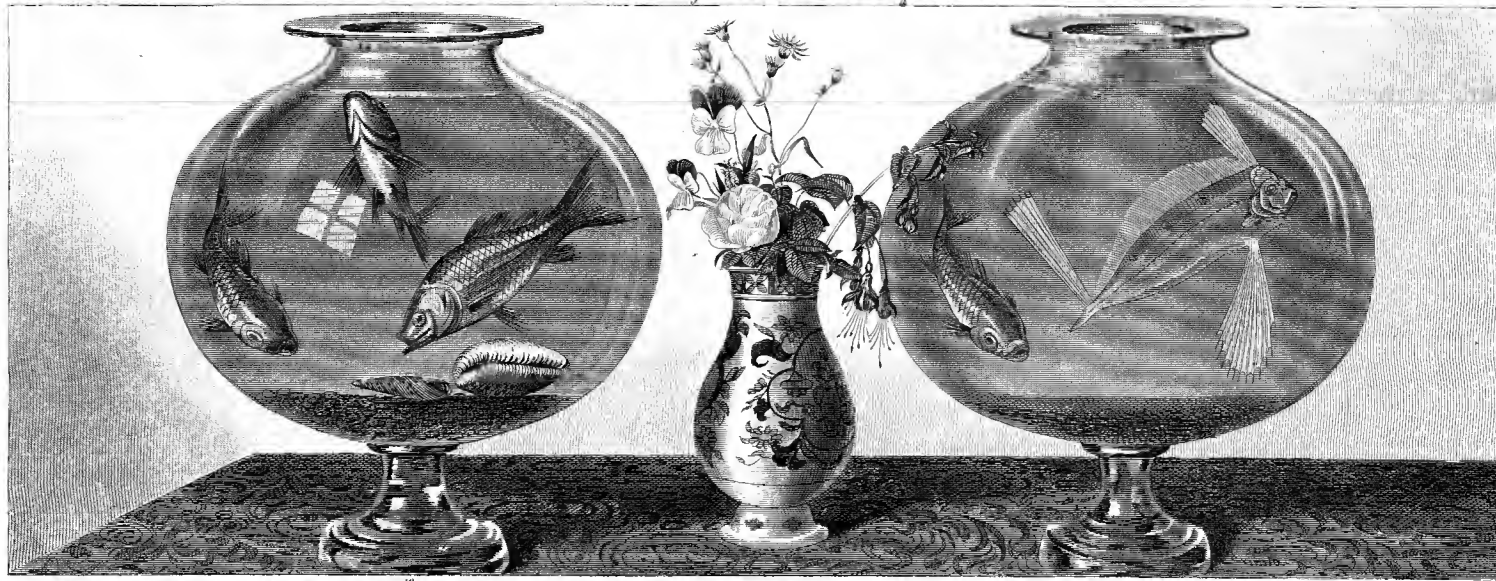
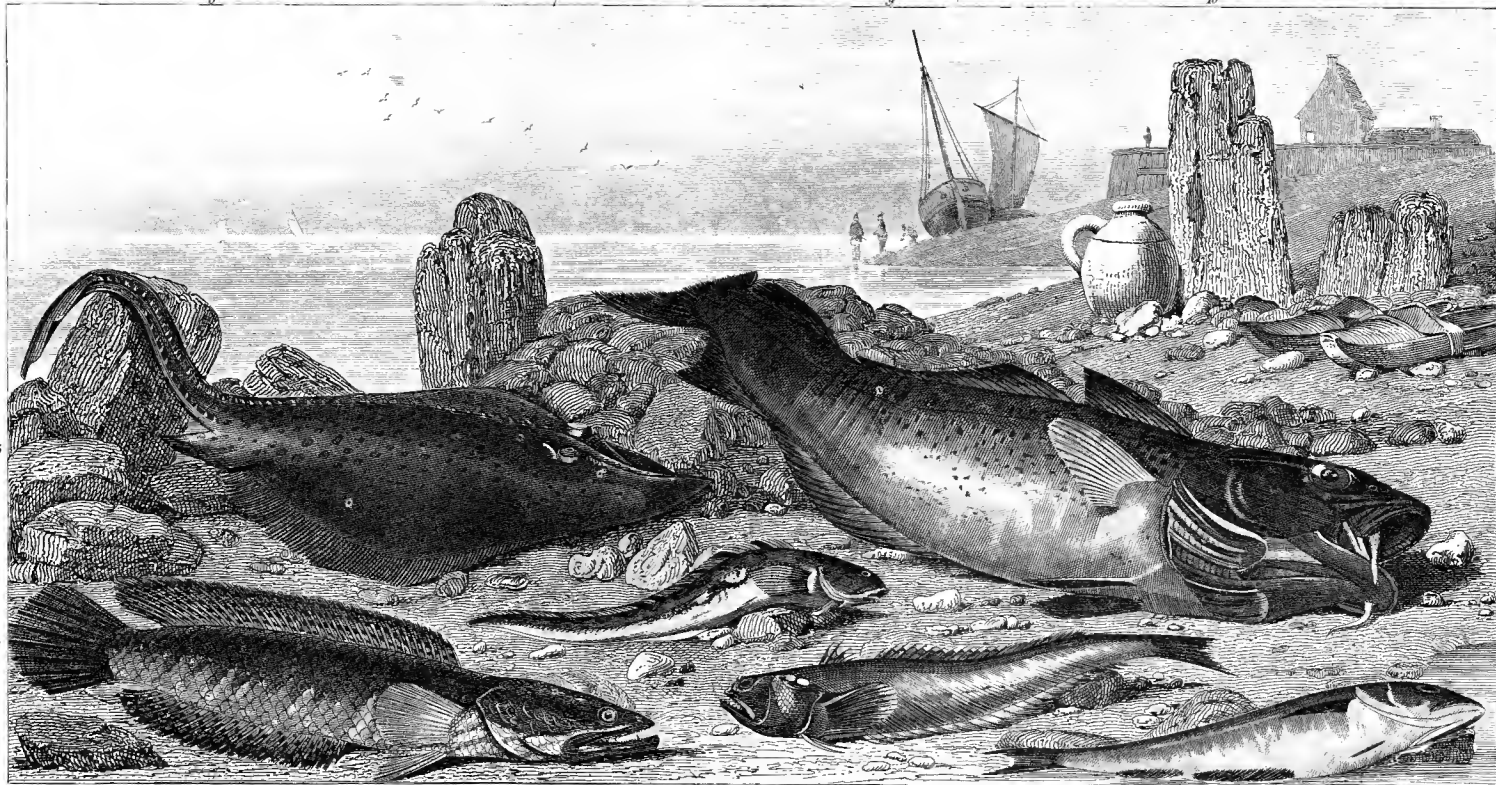
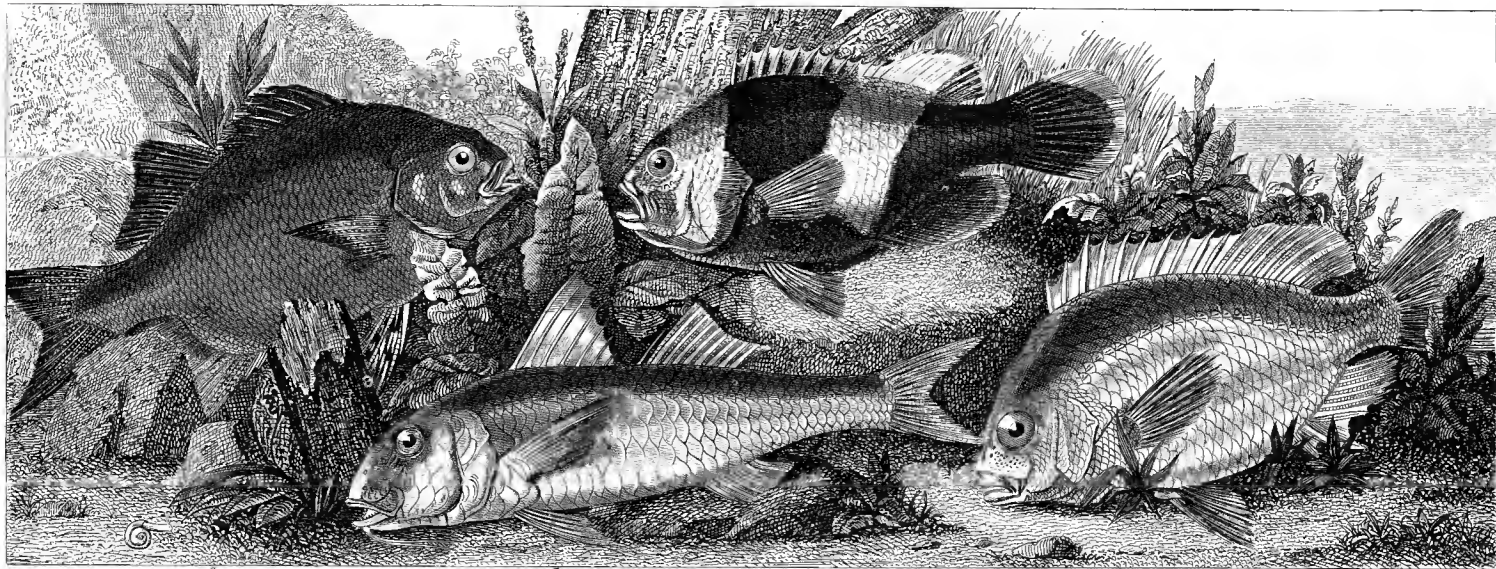




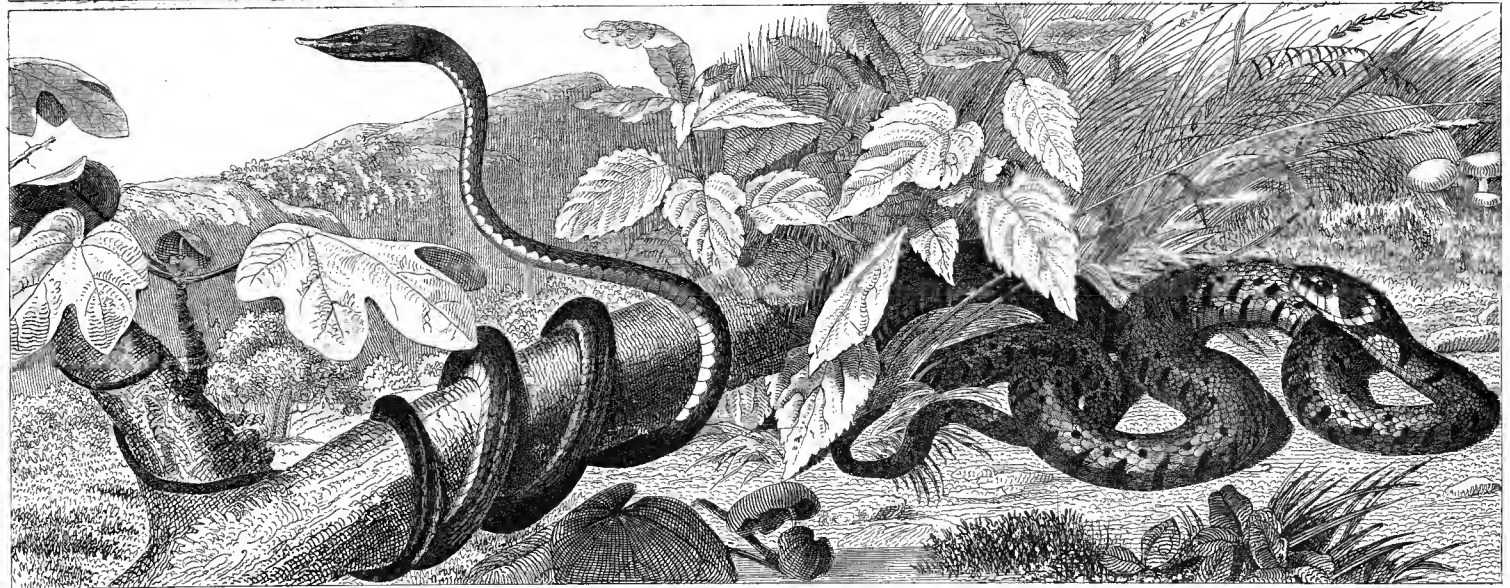
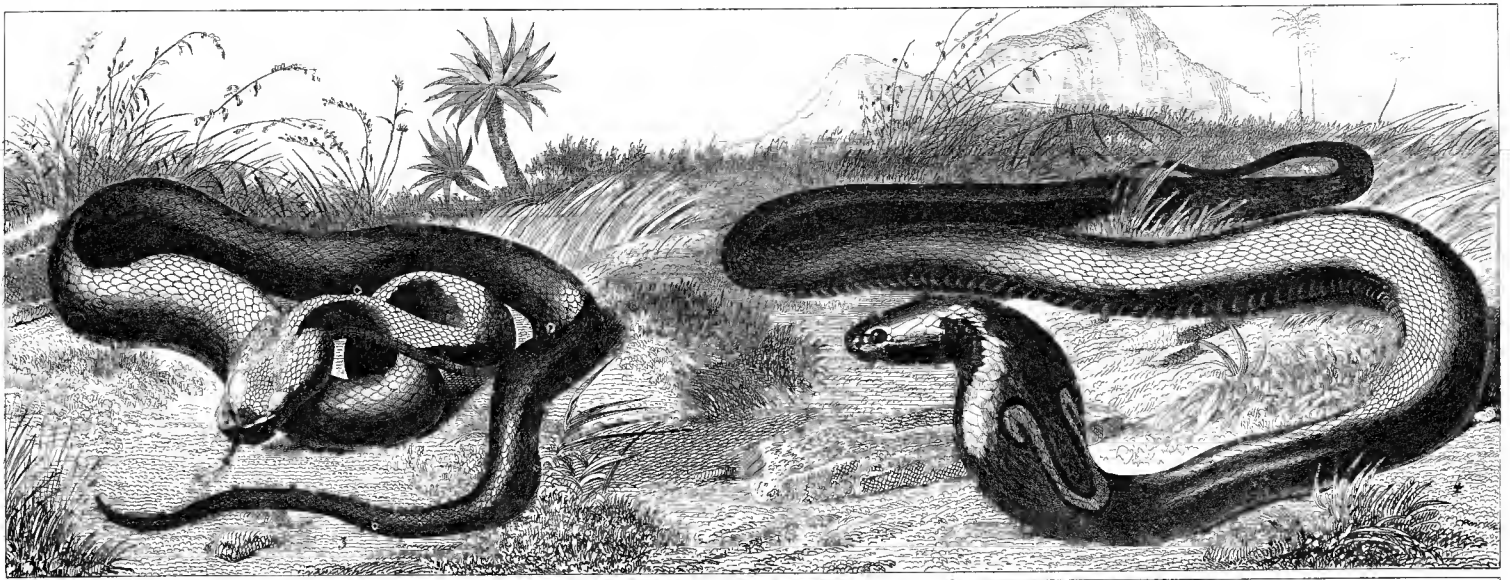




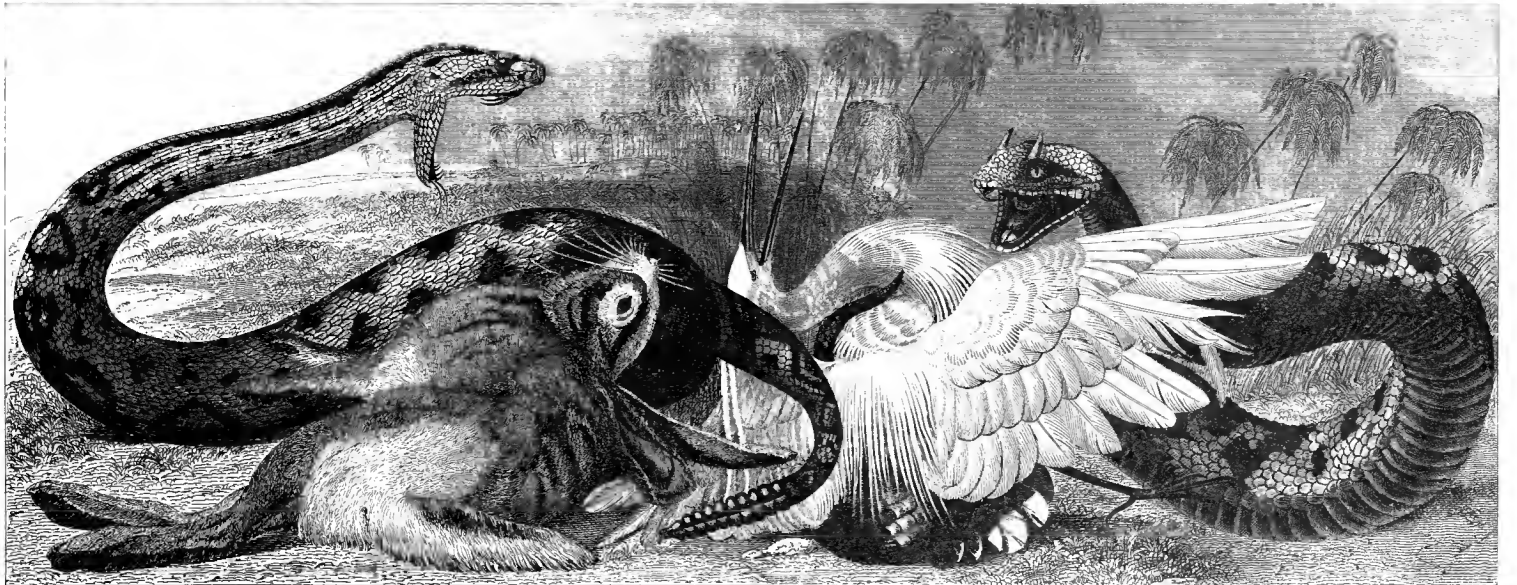
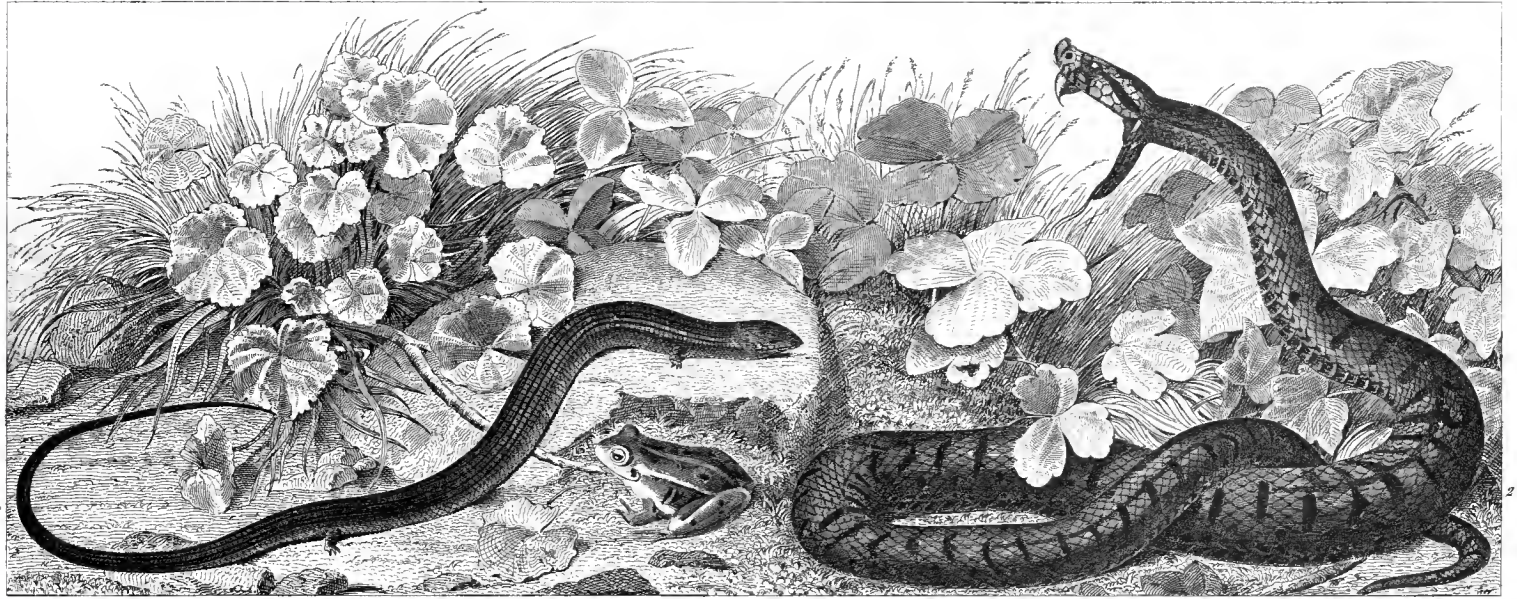




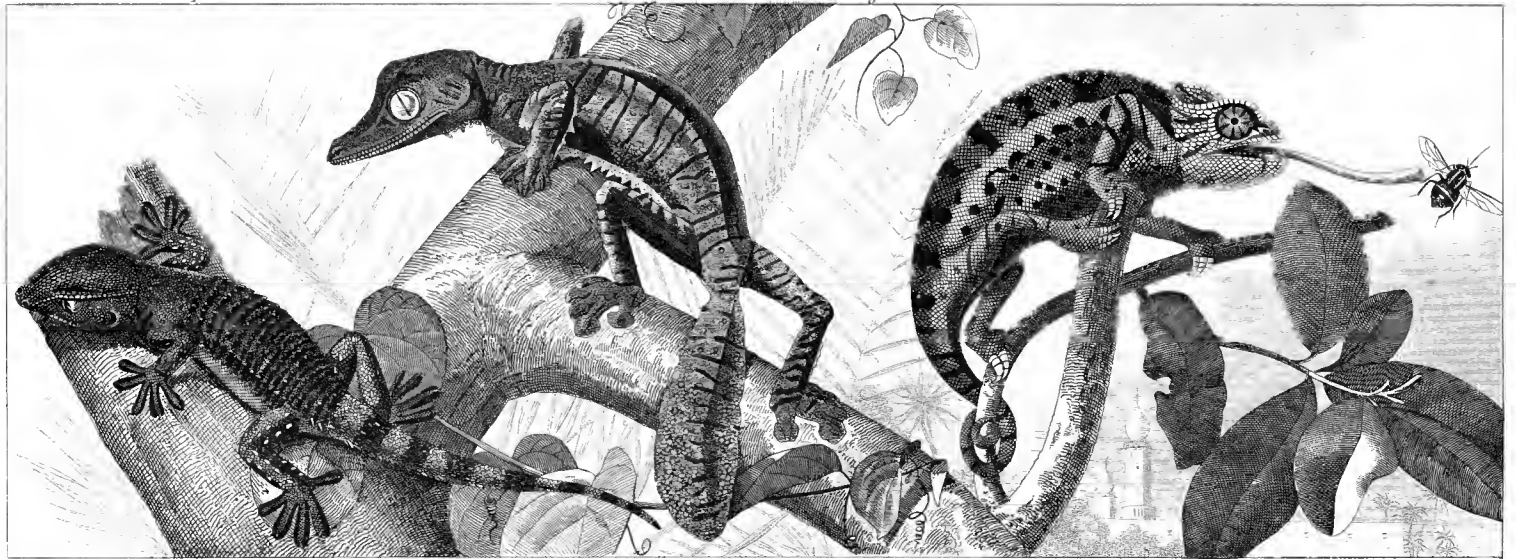
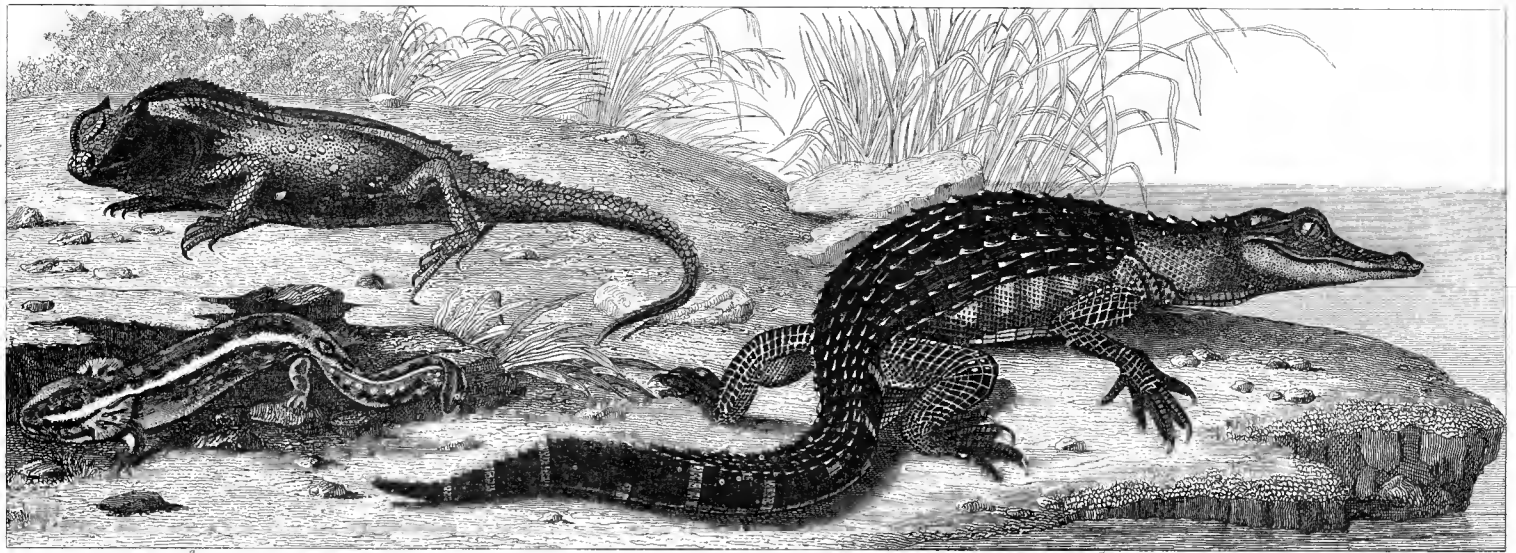




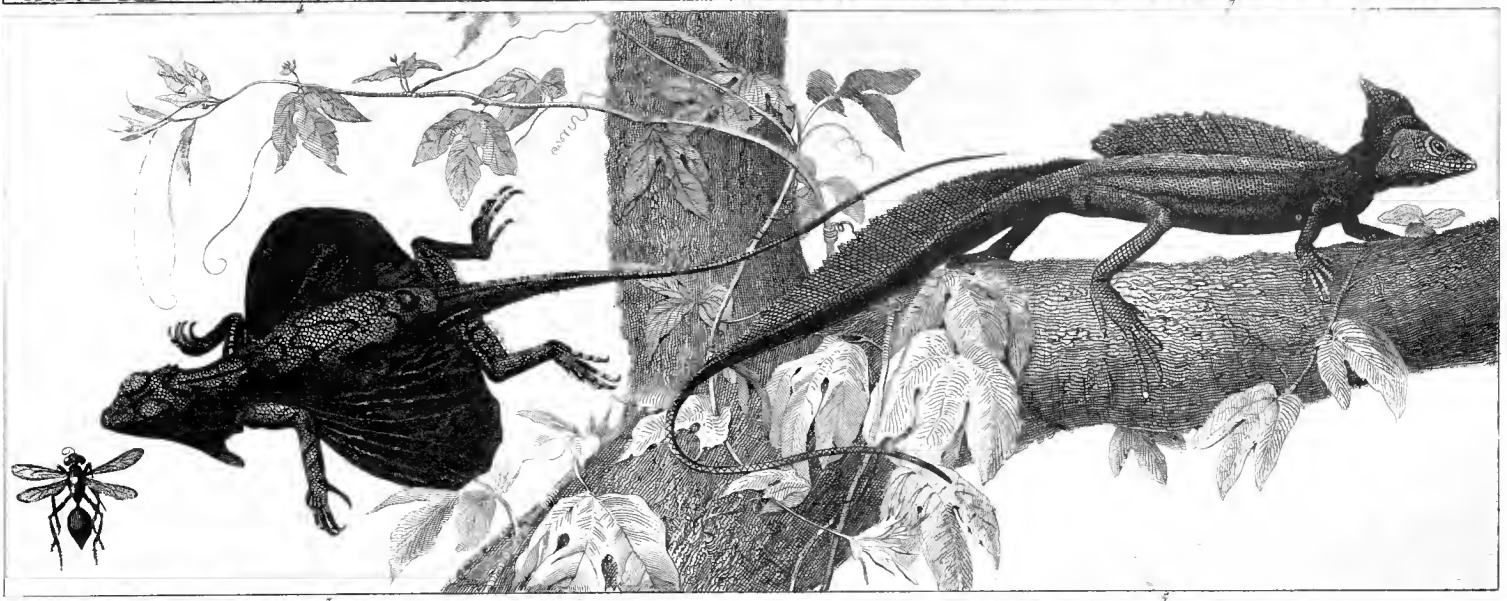
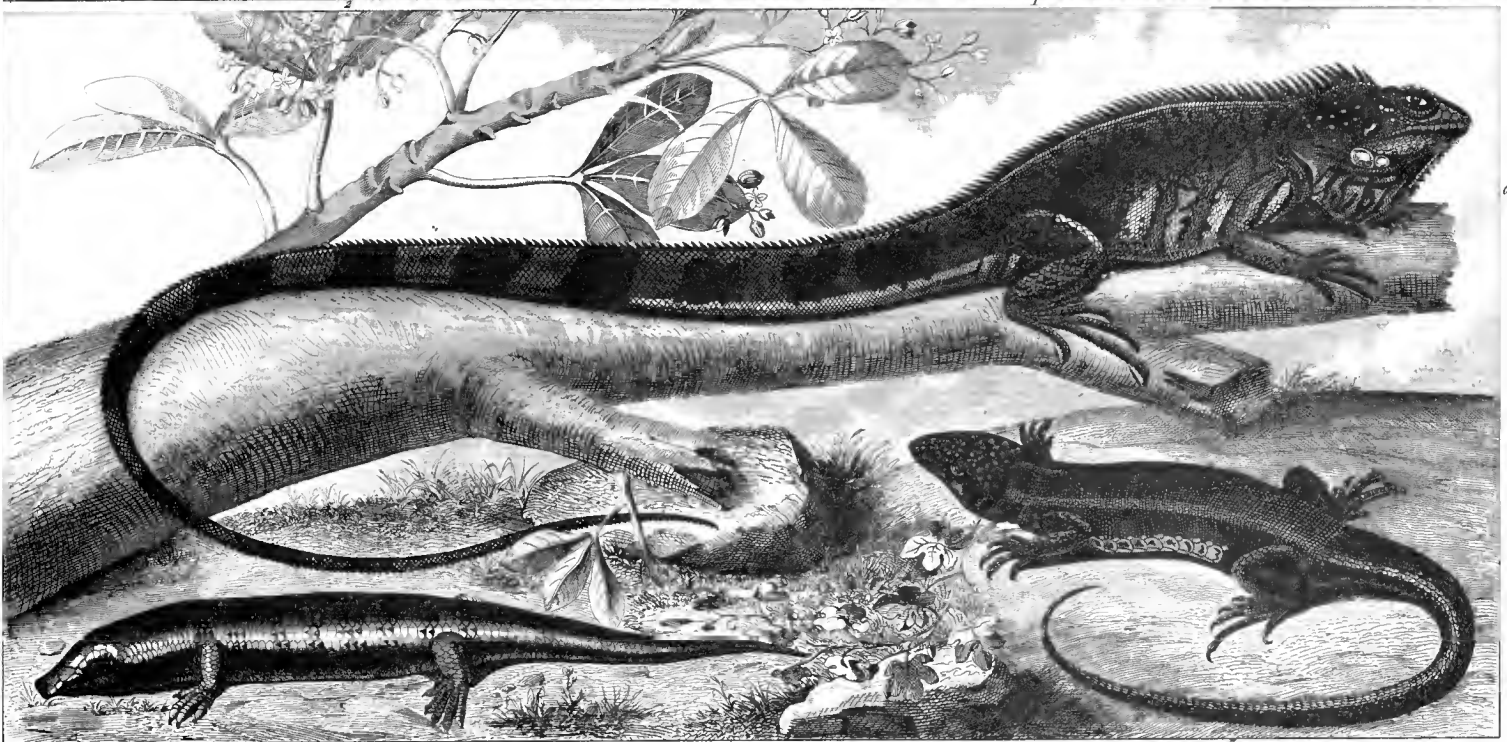
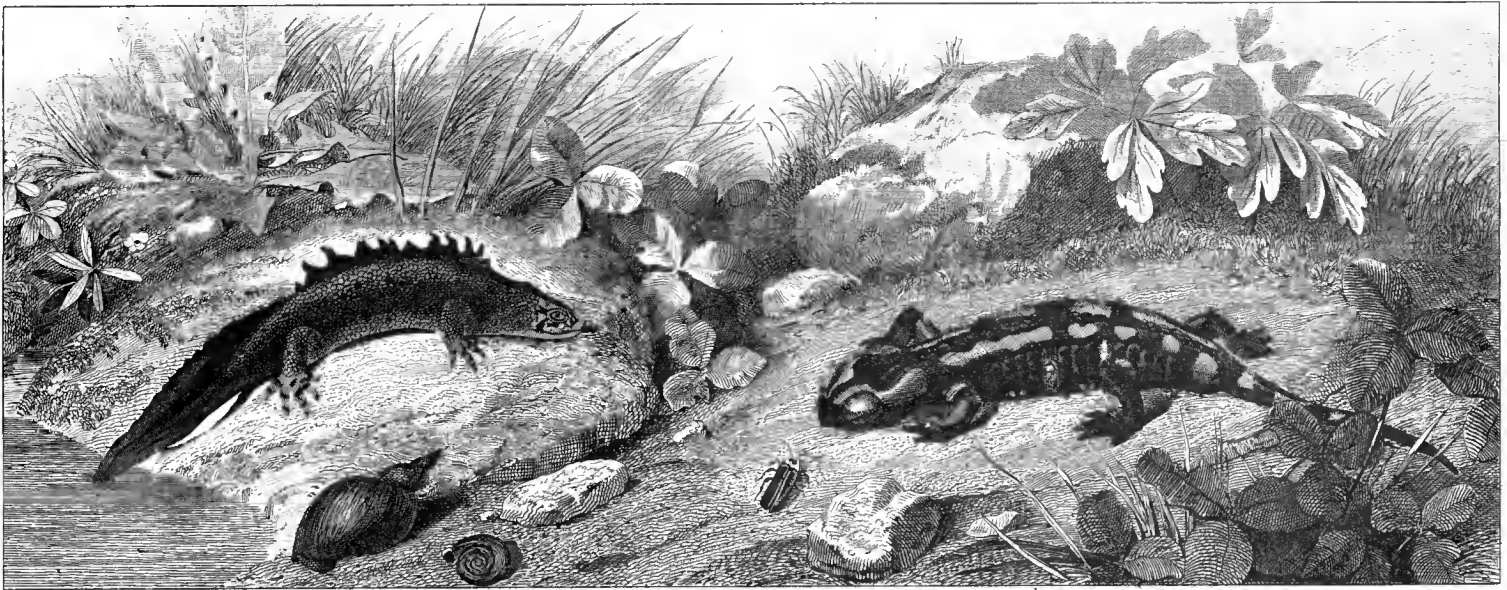




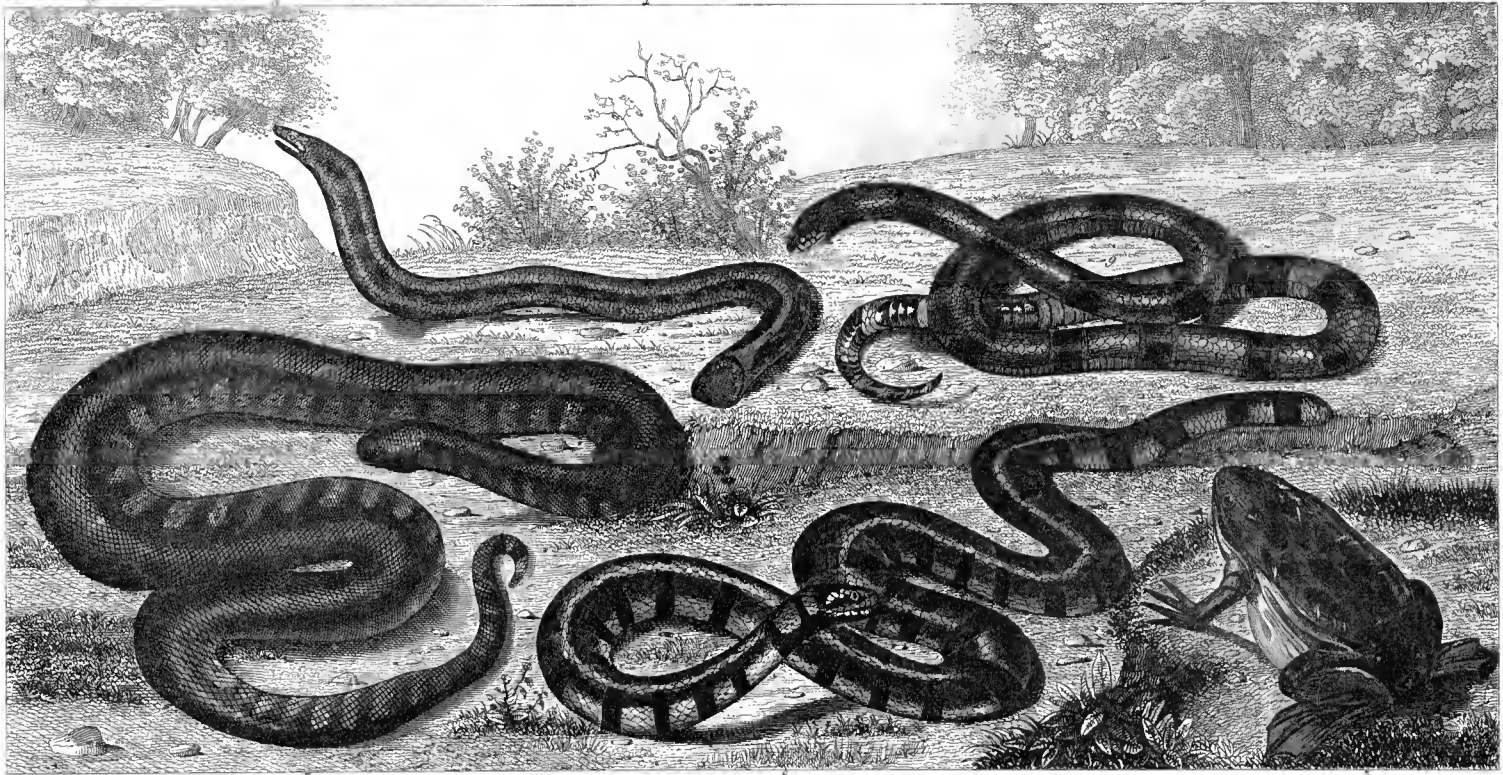
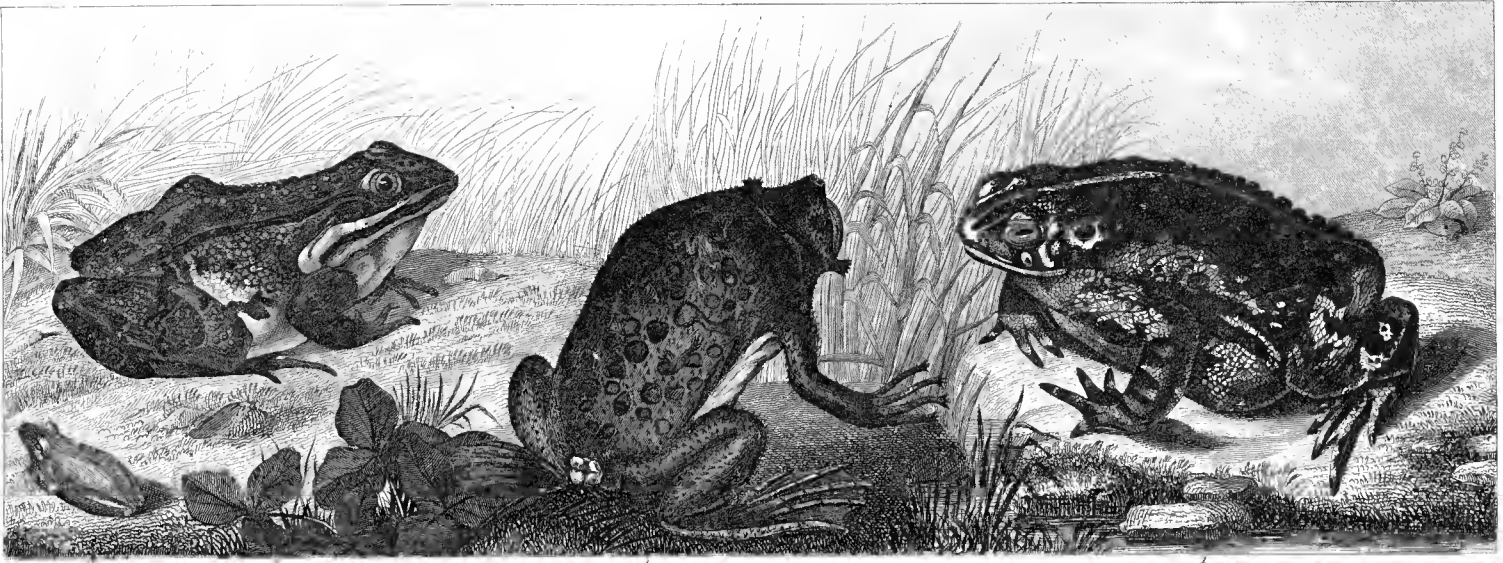












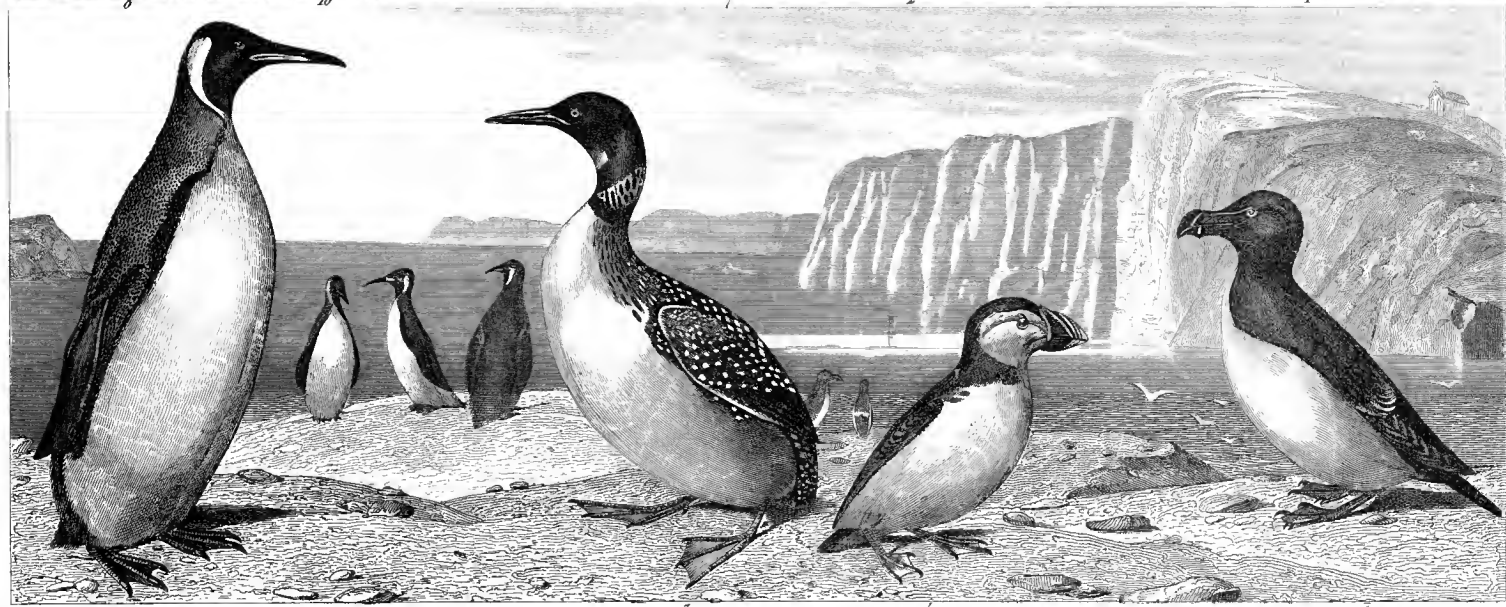
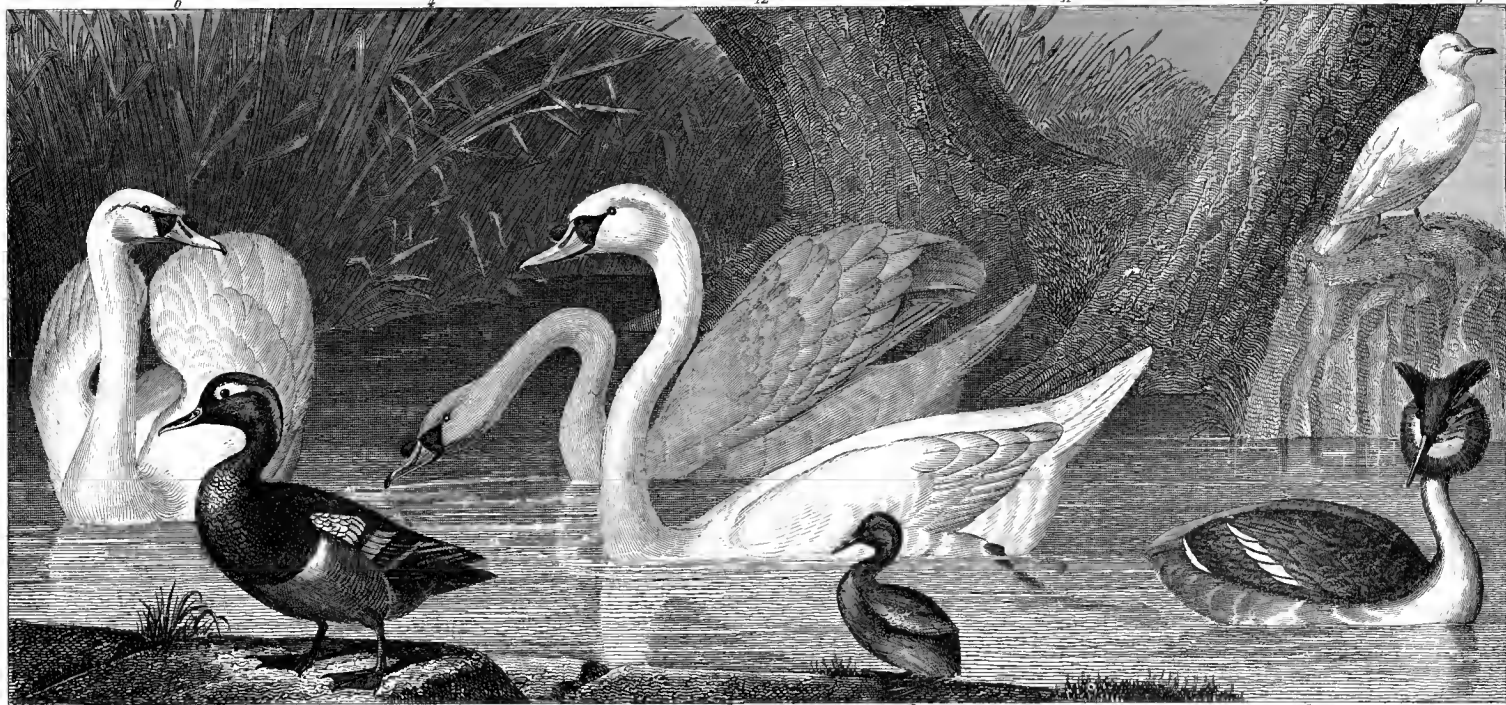
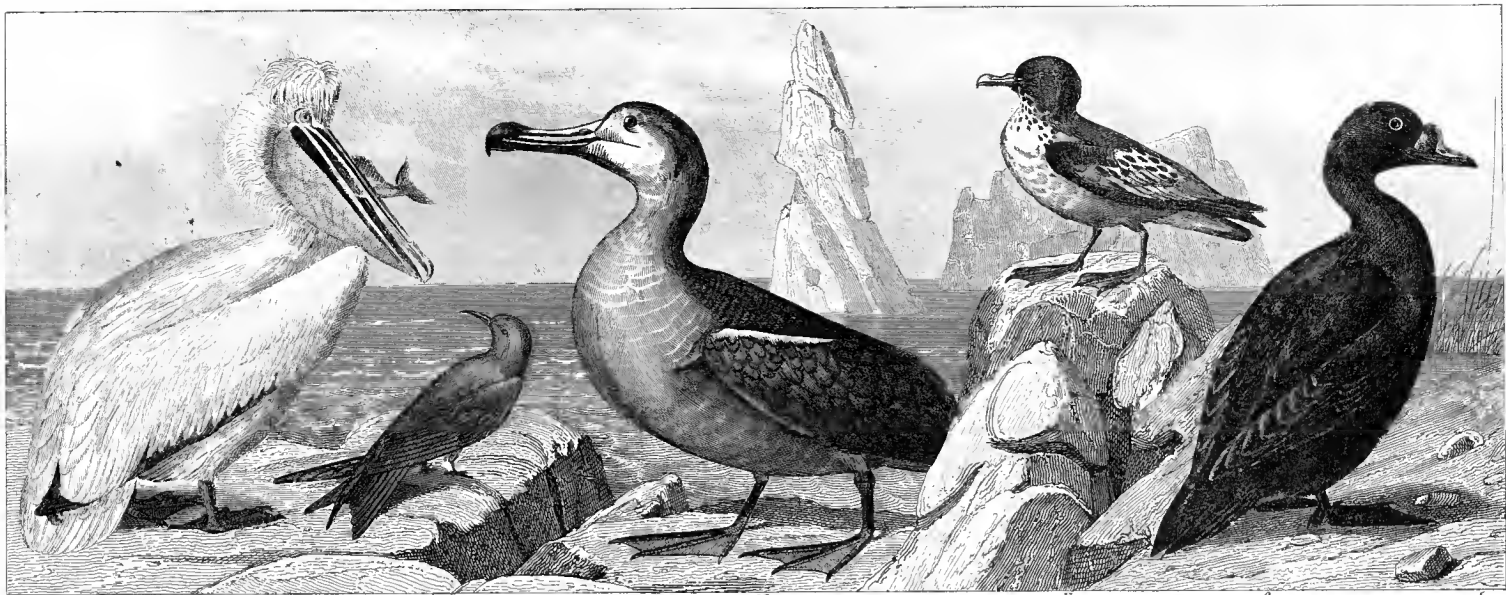
13

12

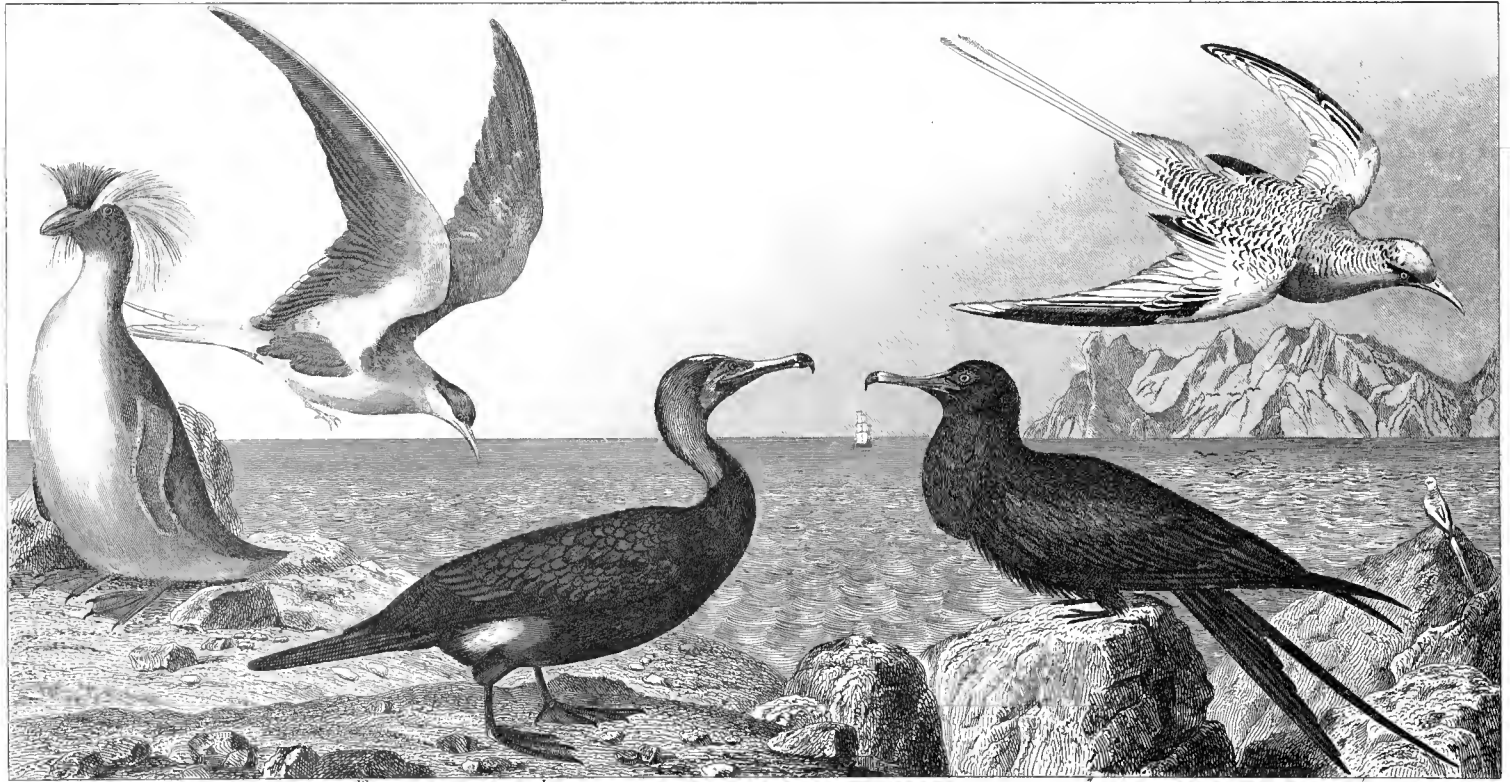
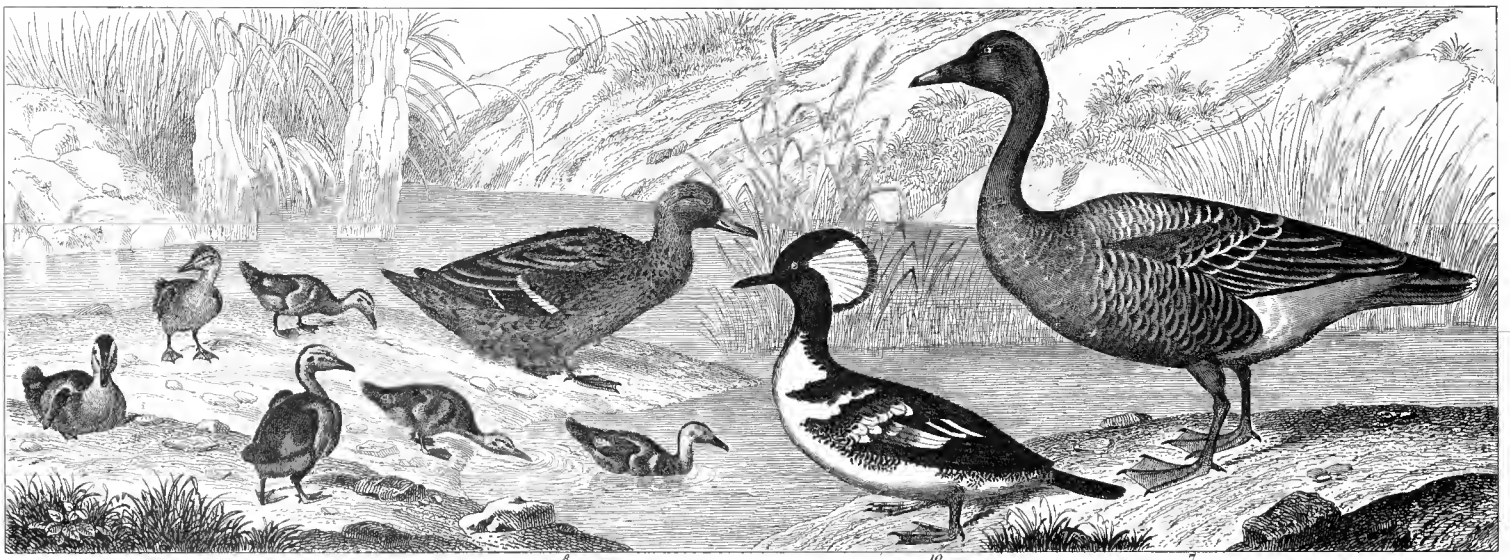
2

11

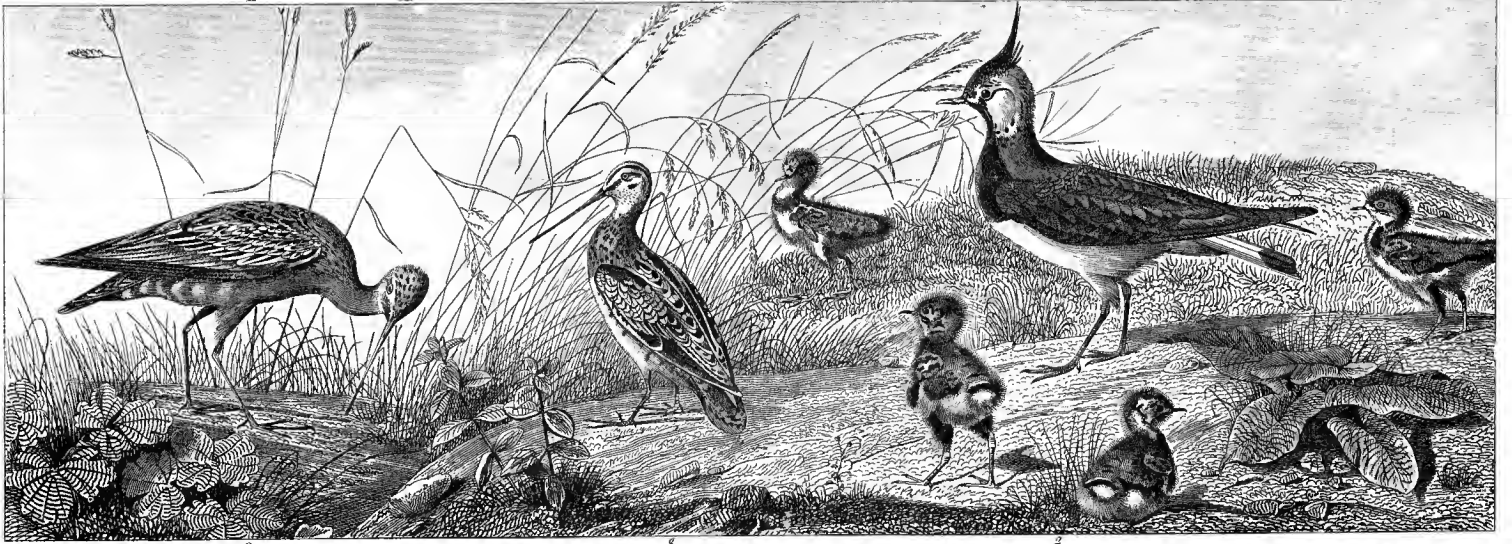
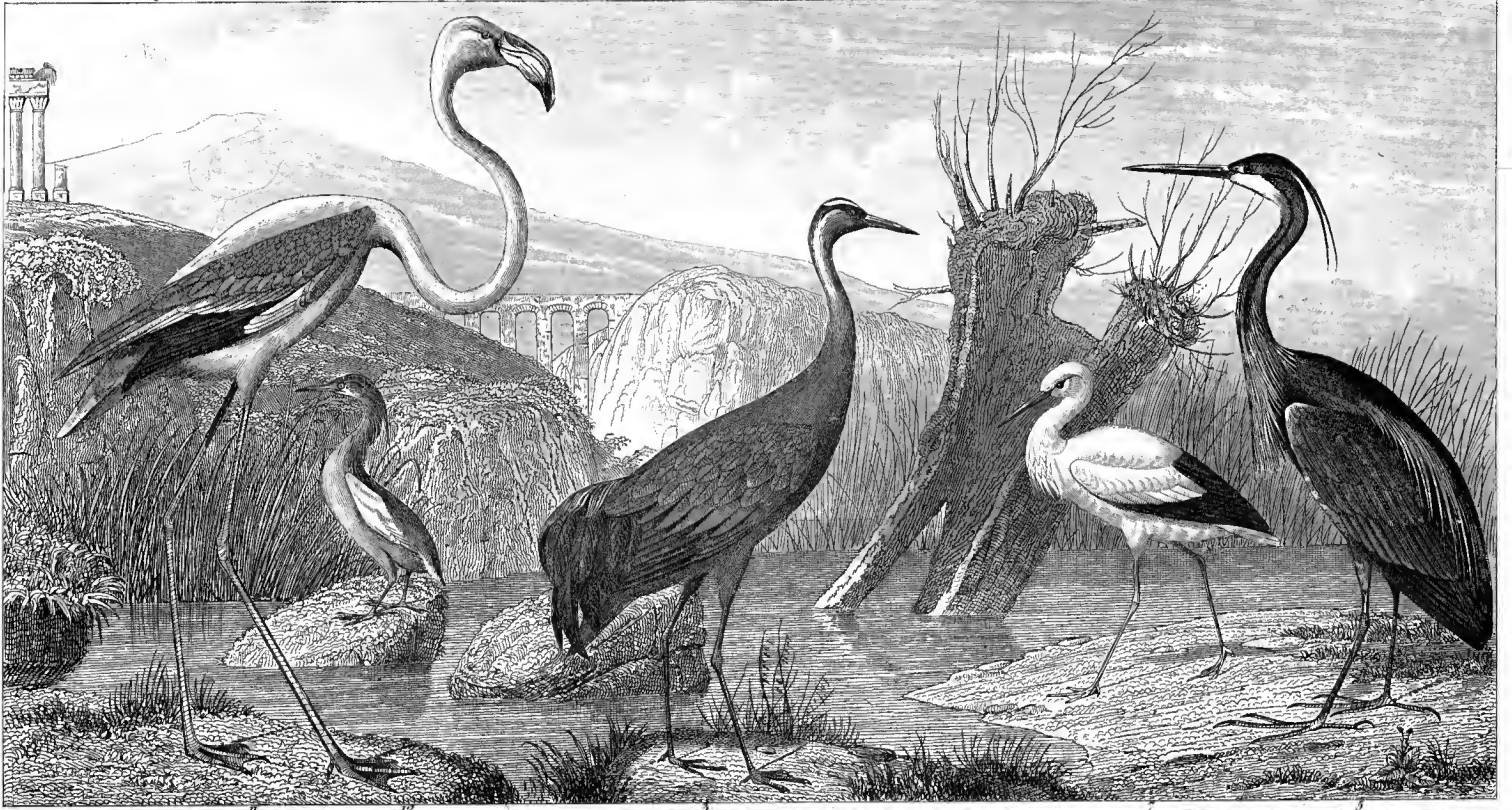
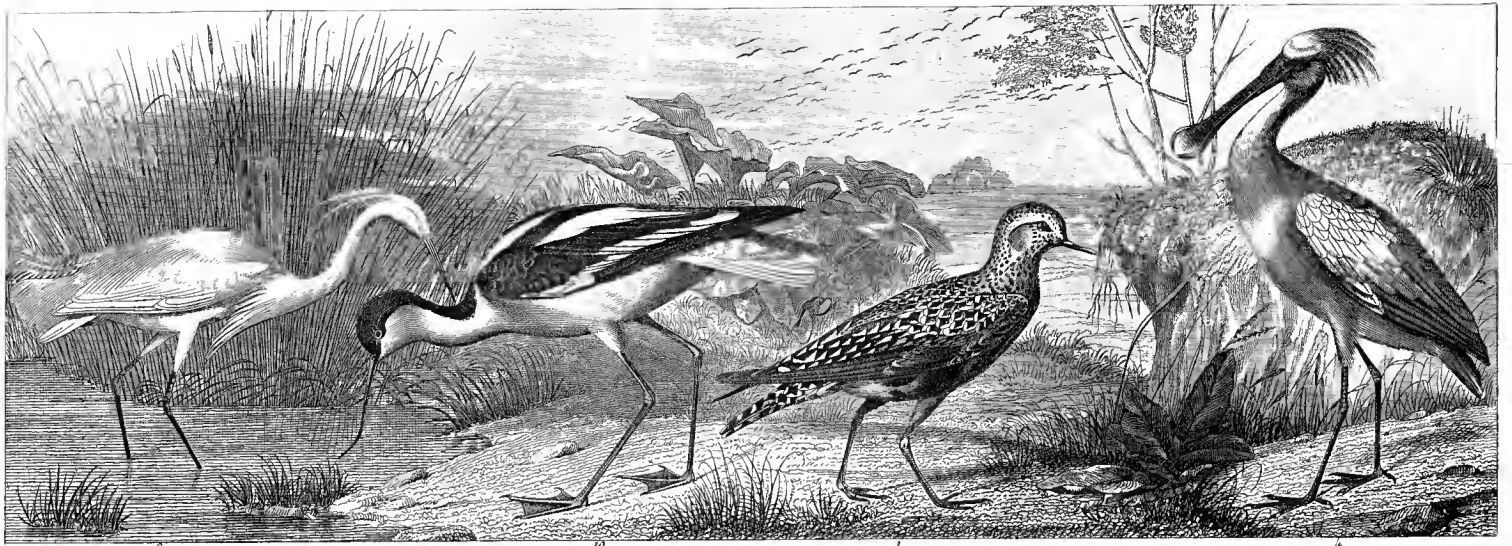




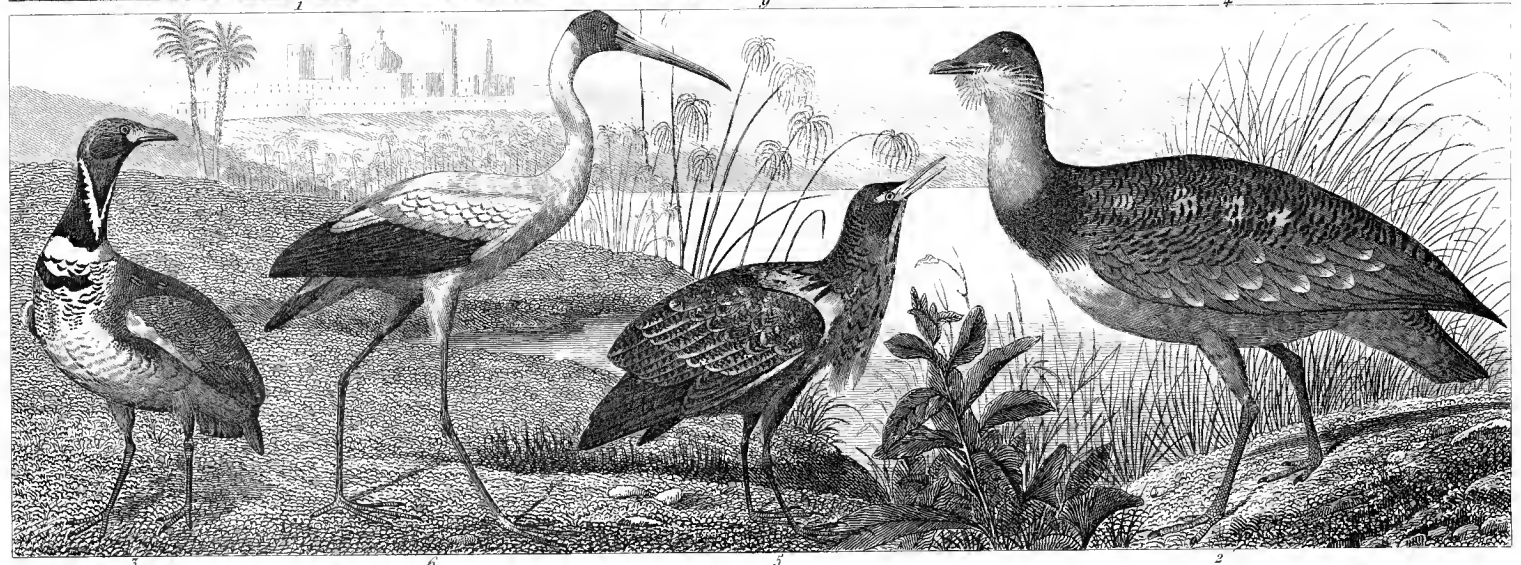
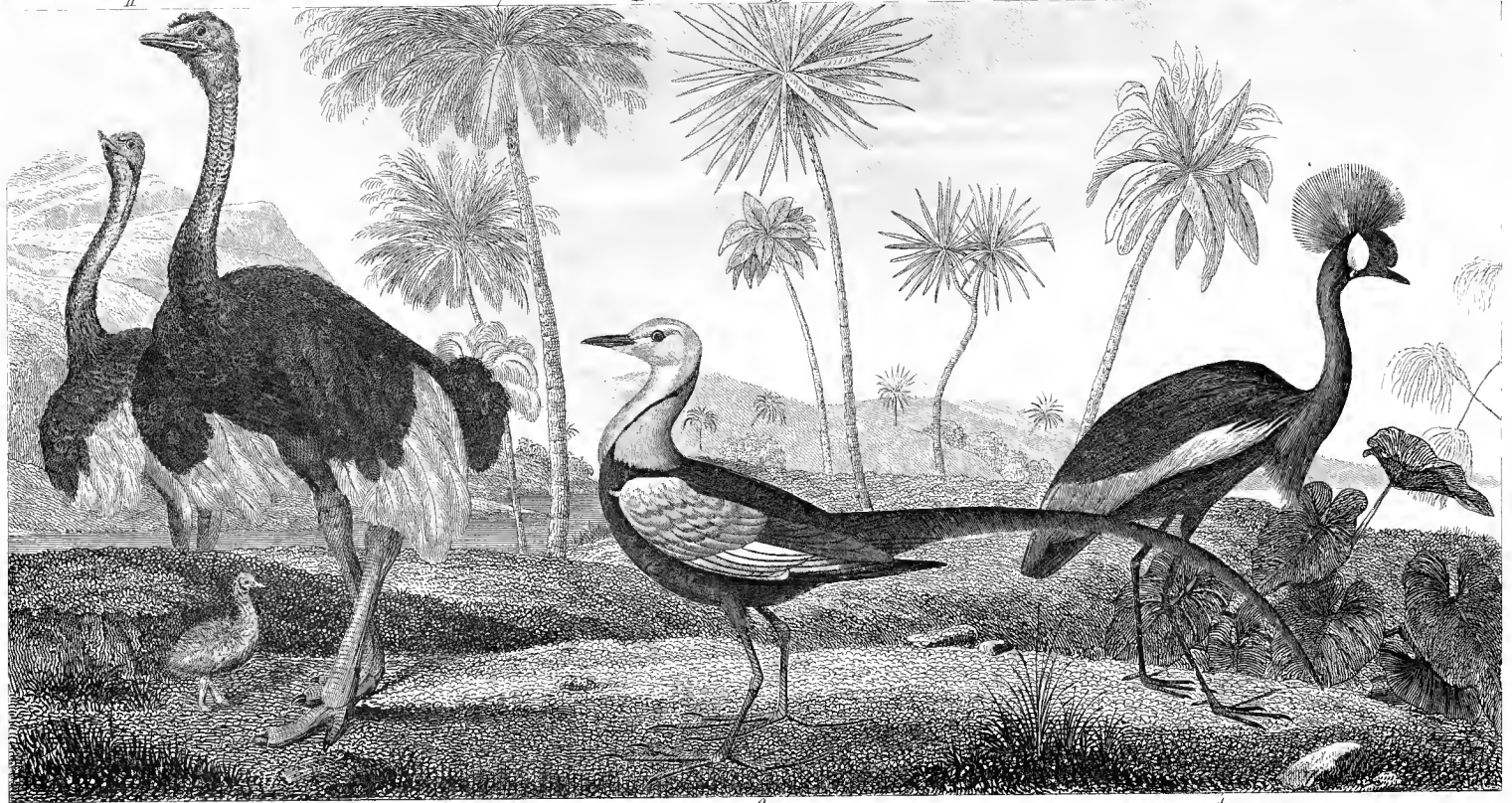
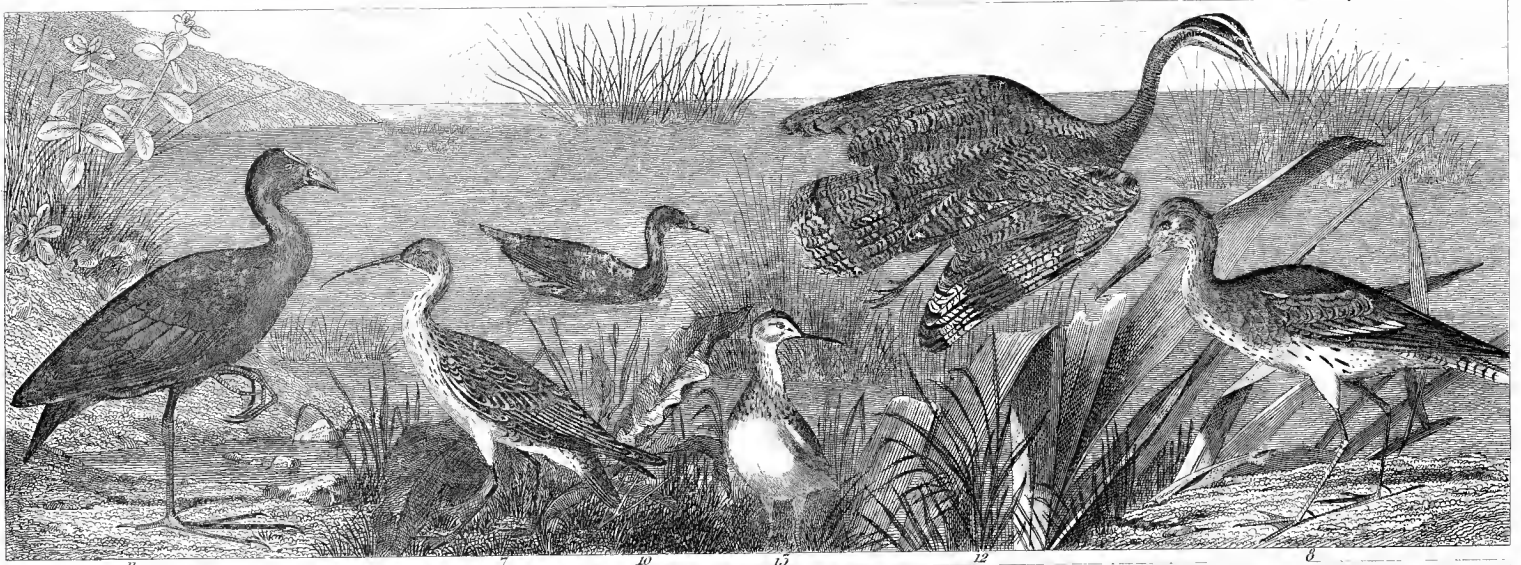




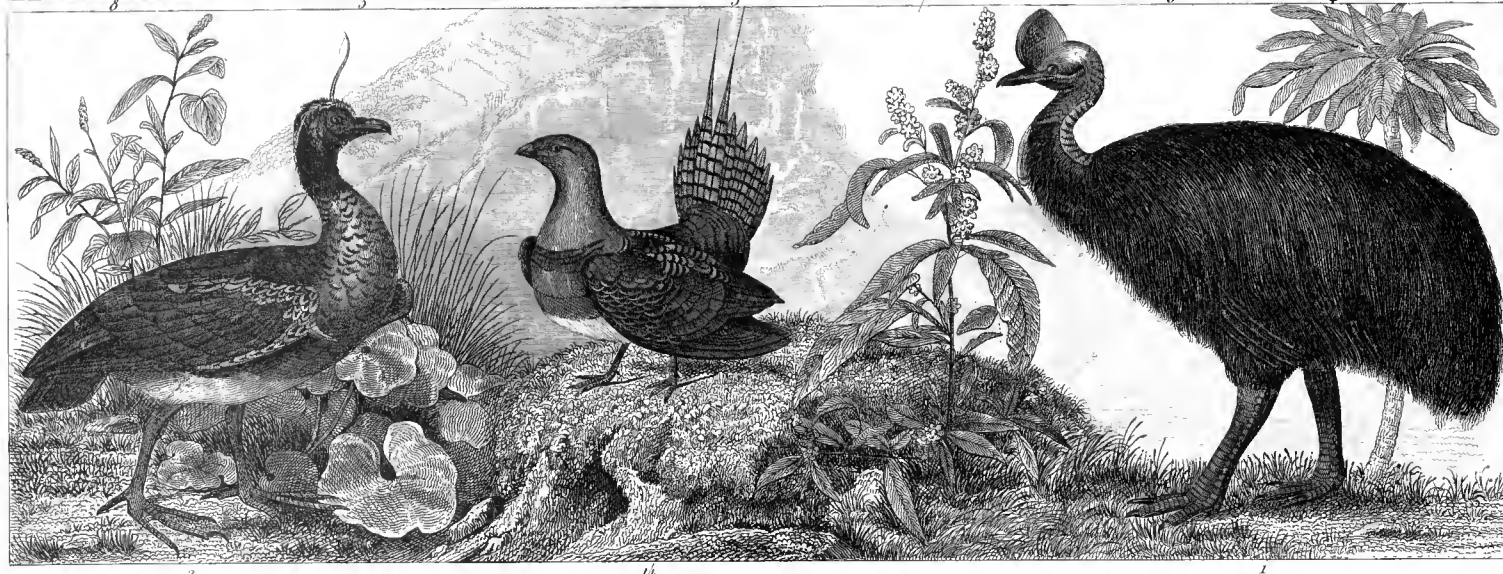
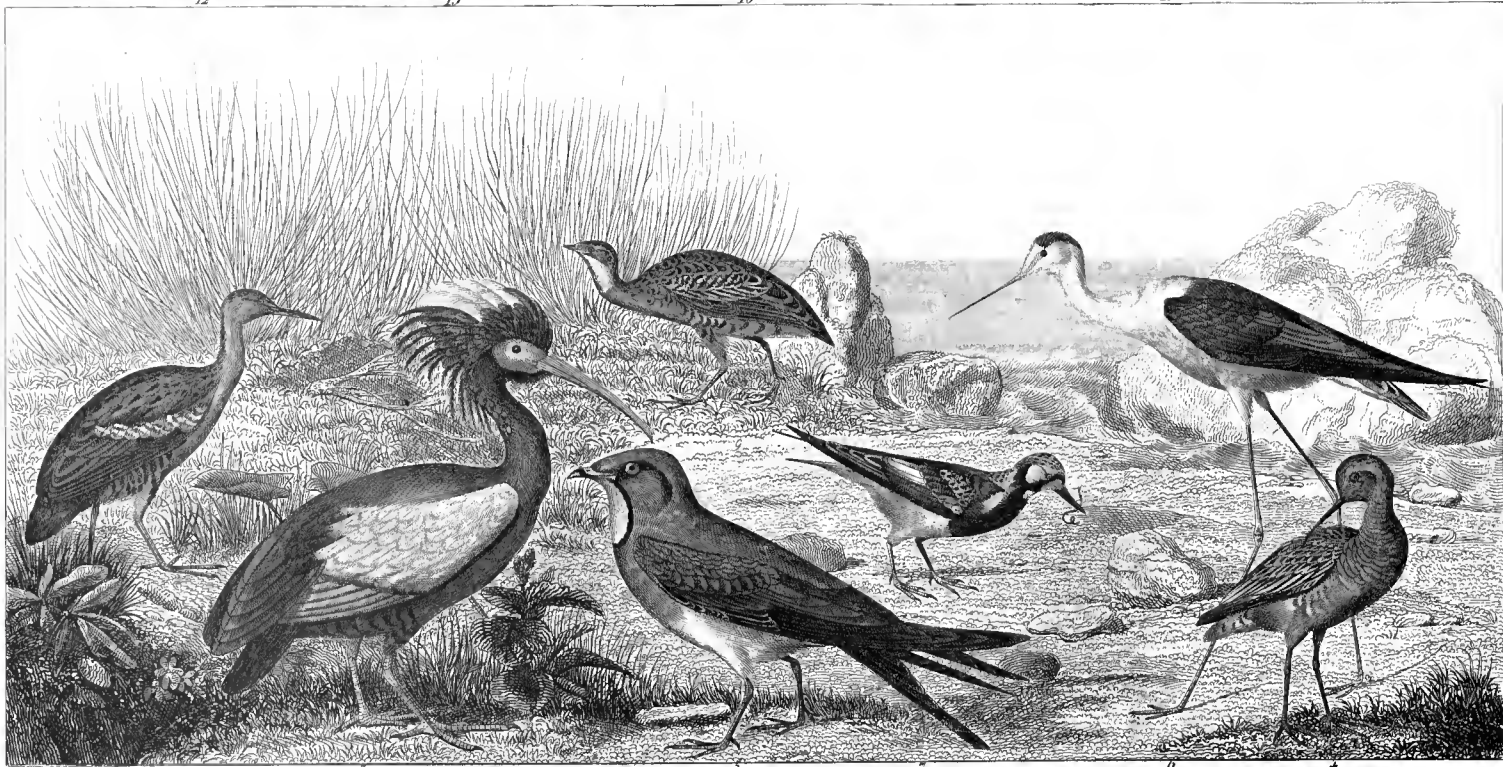
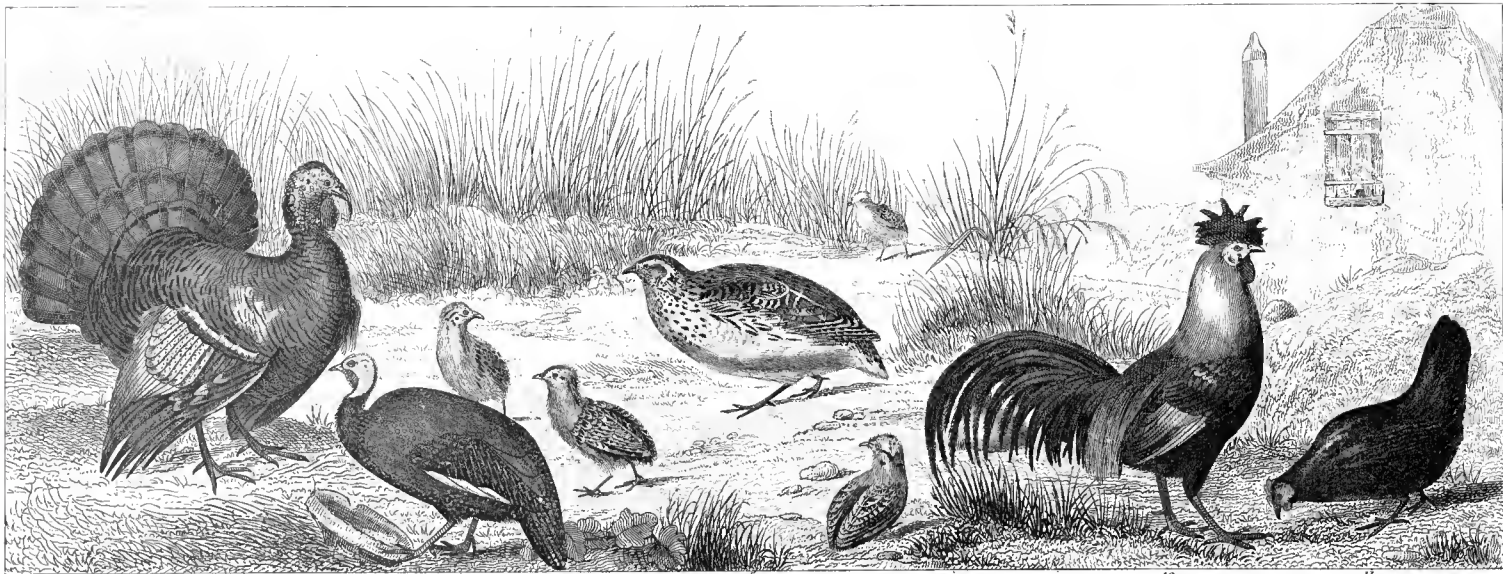




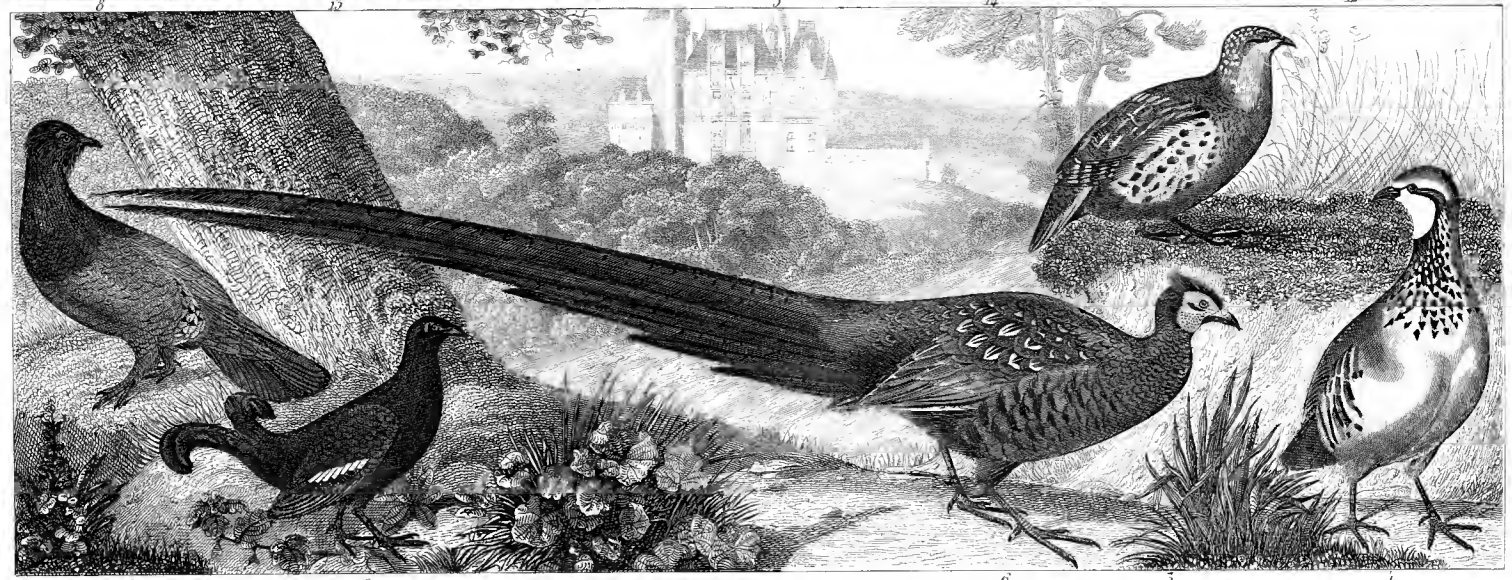
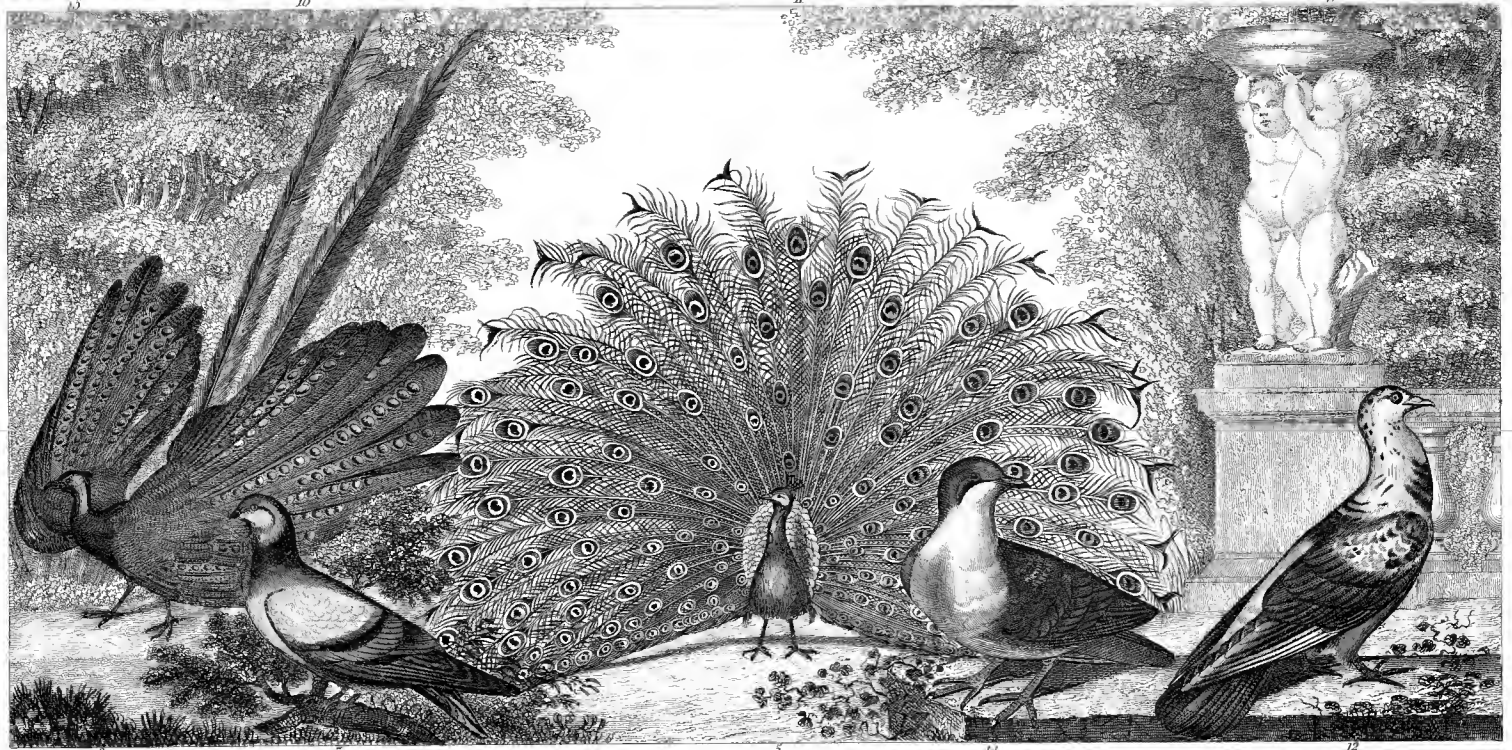
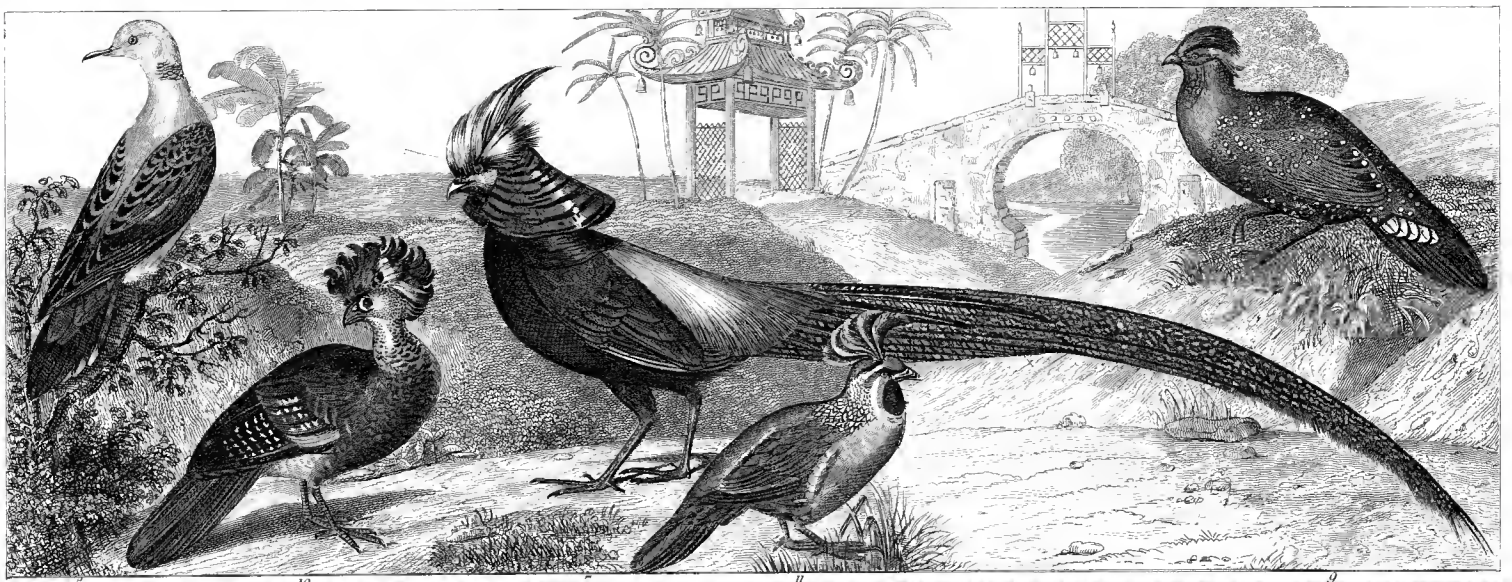




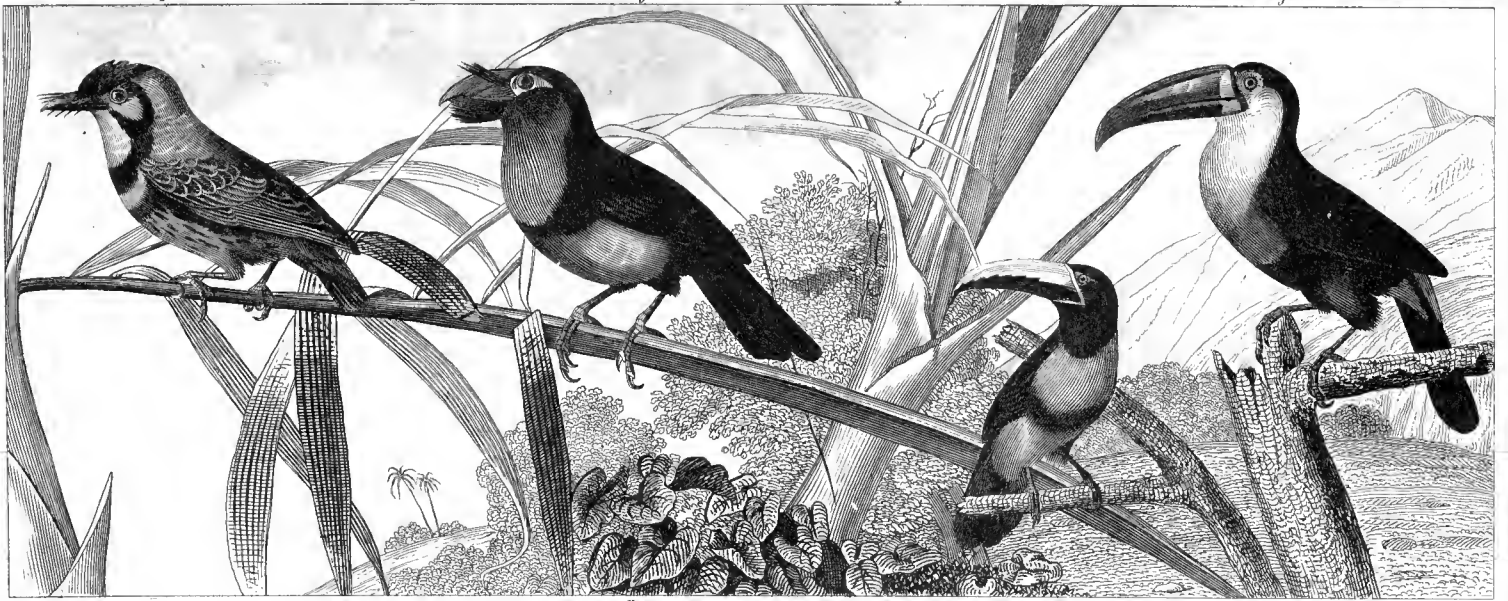
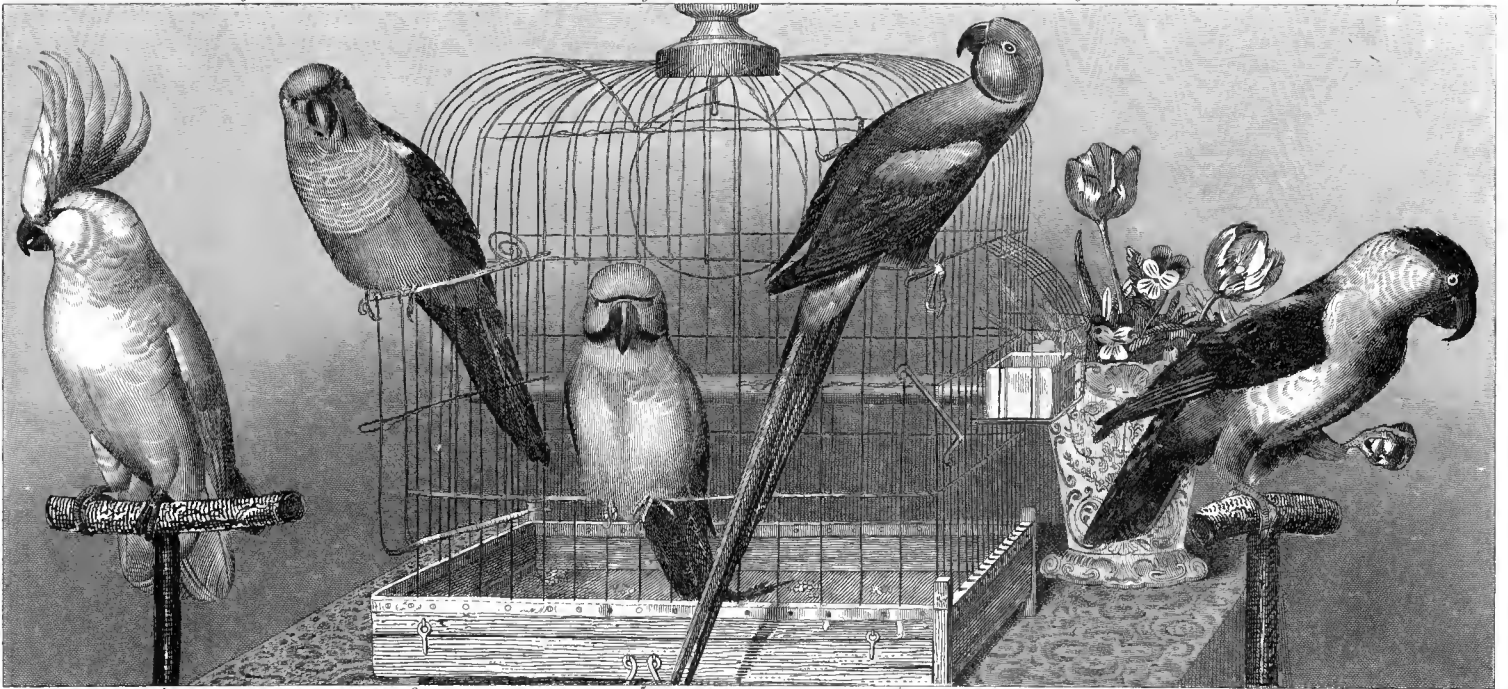
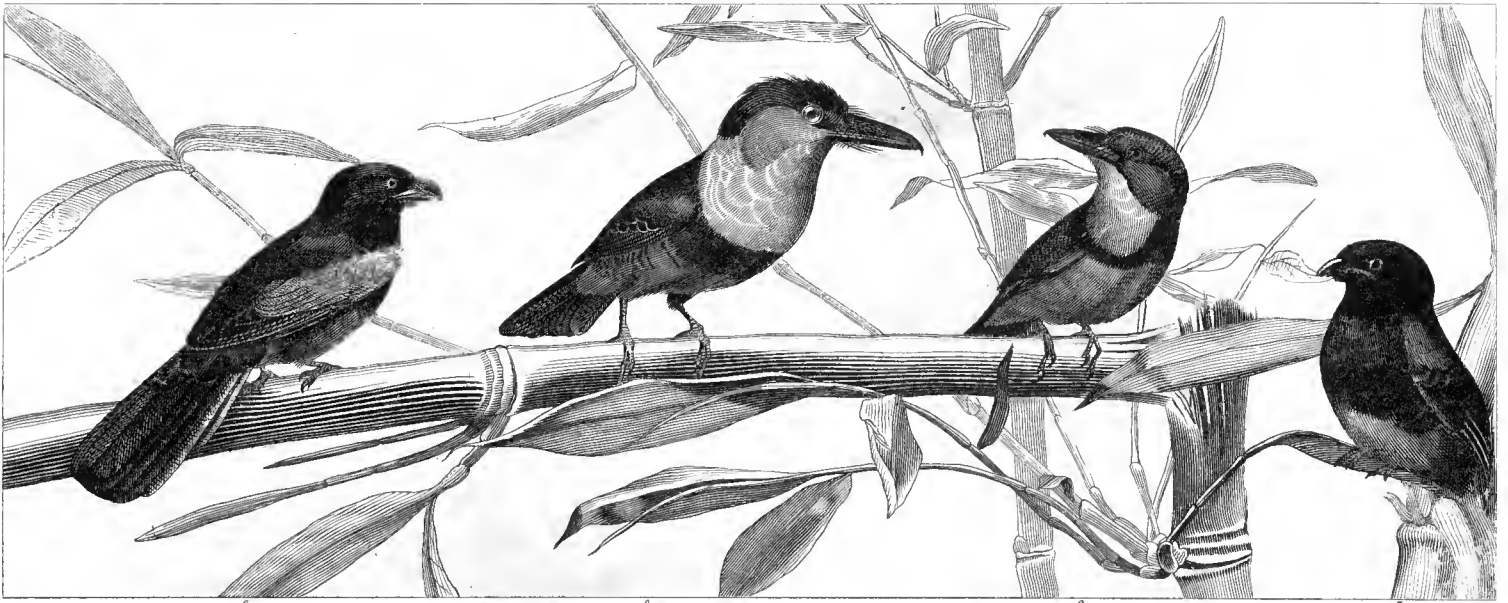




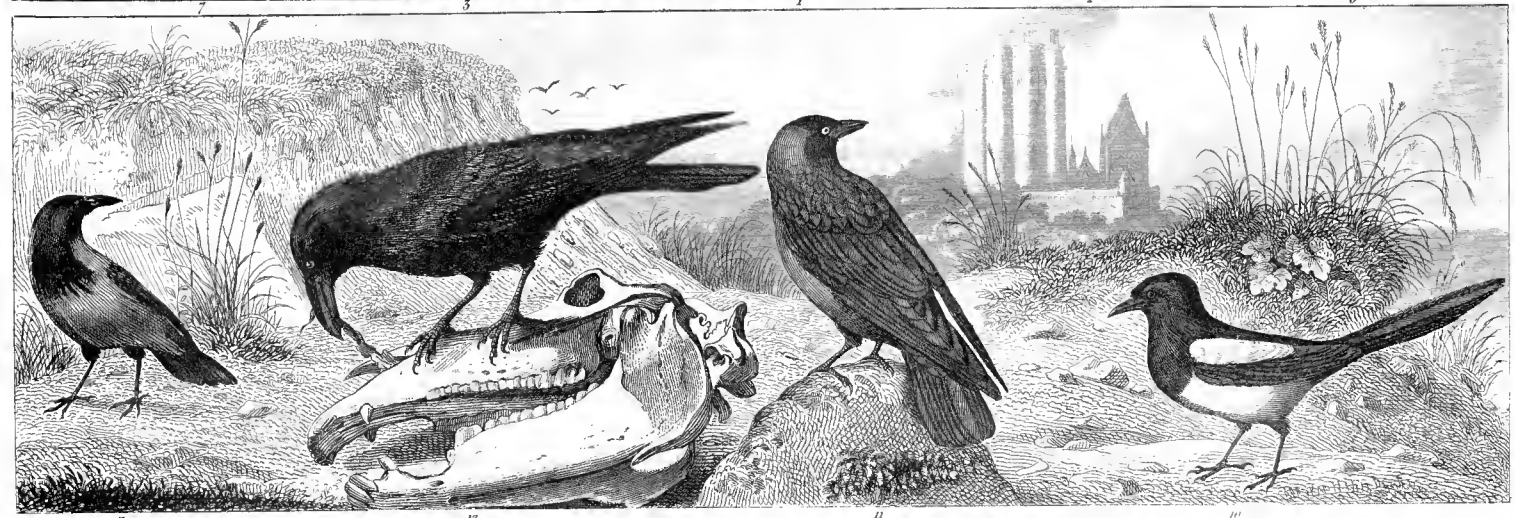
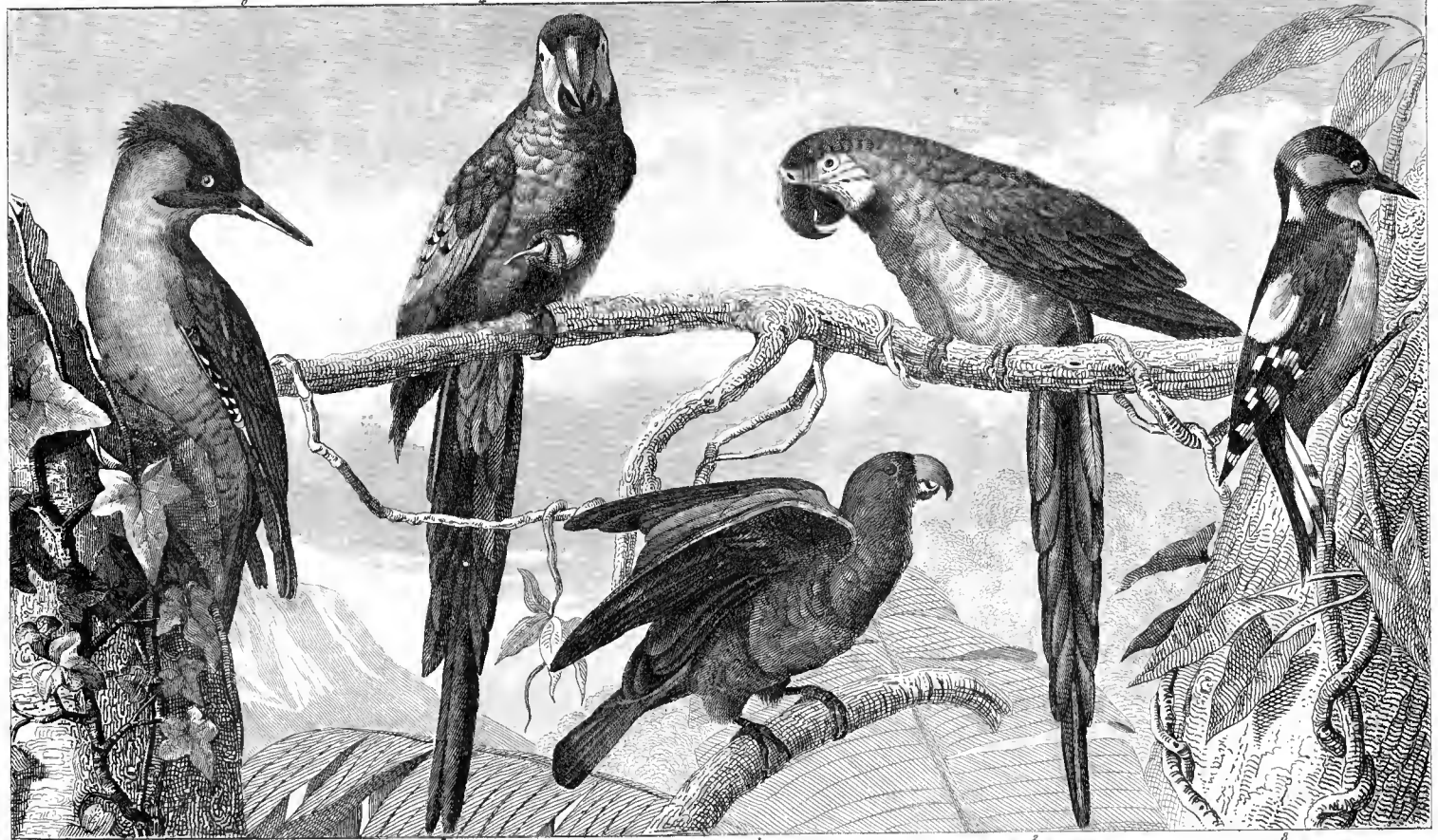
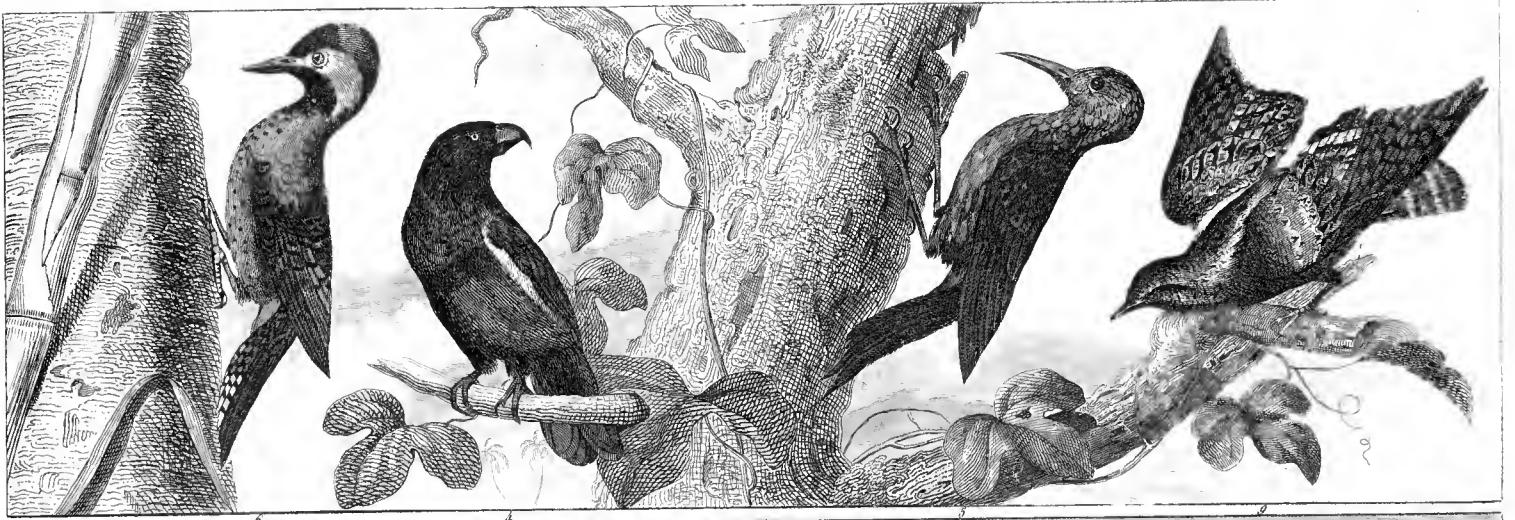




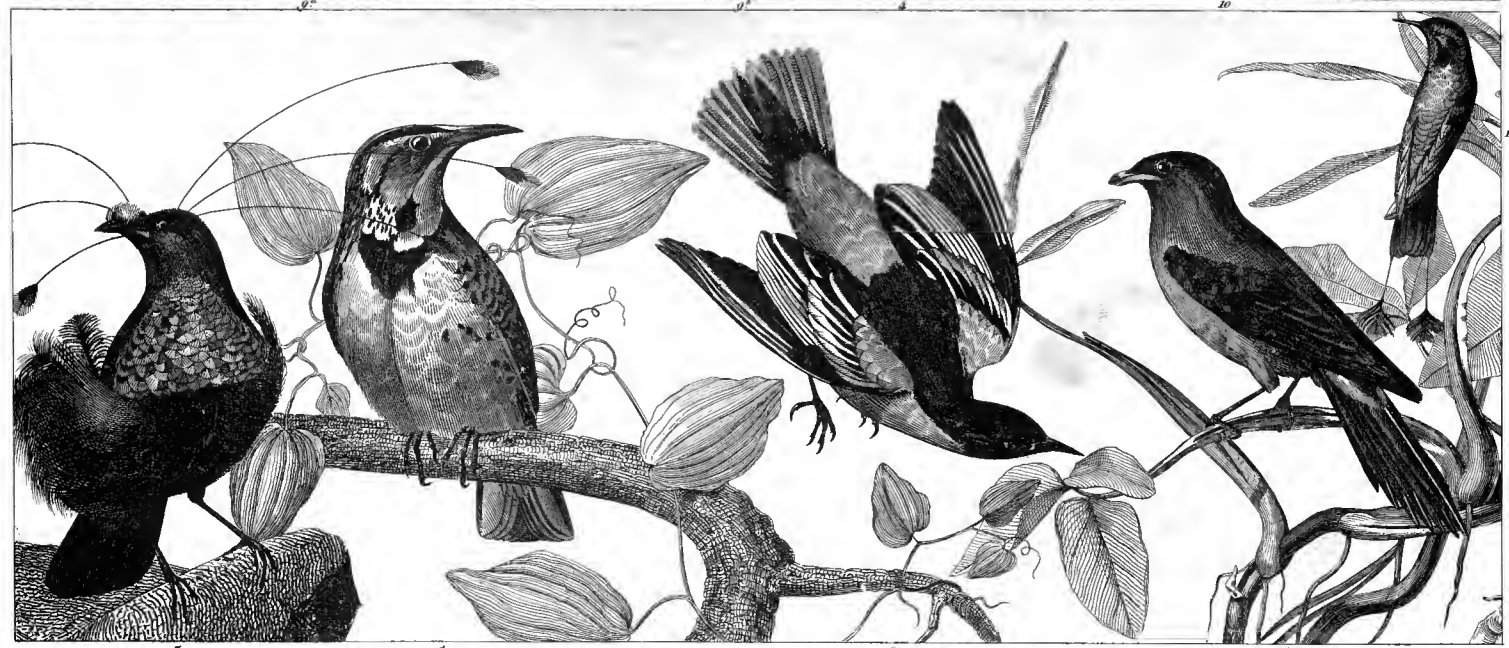
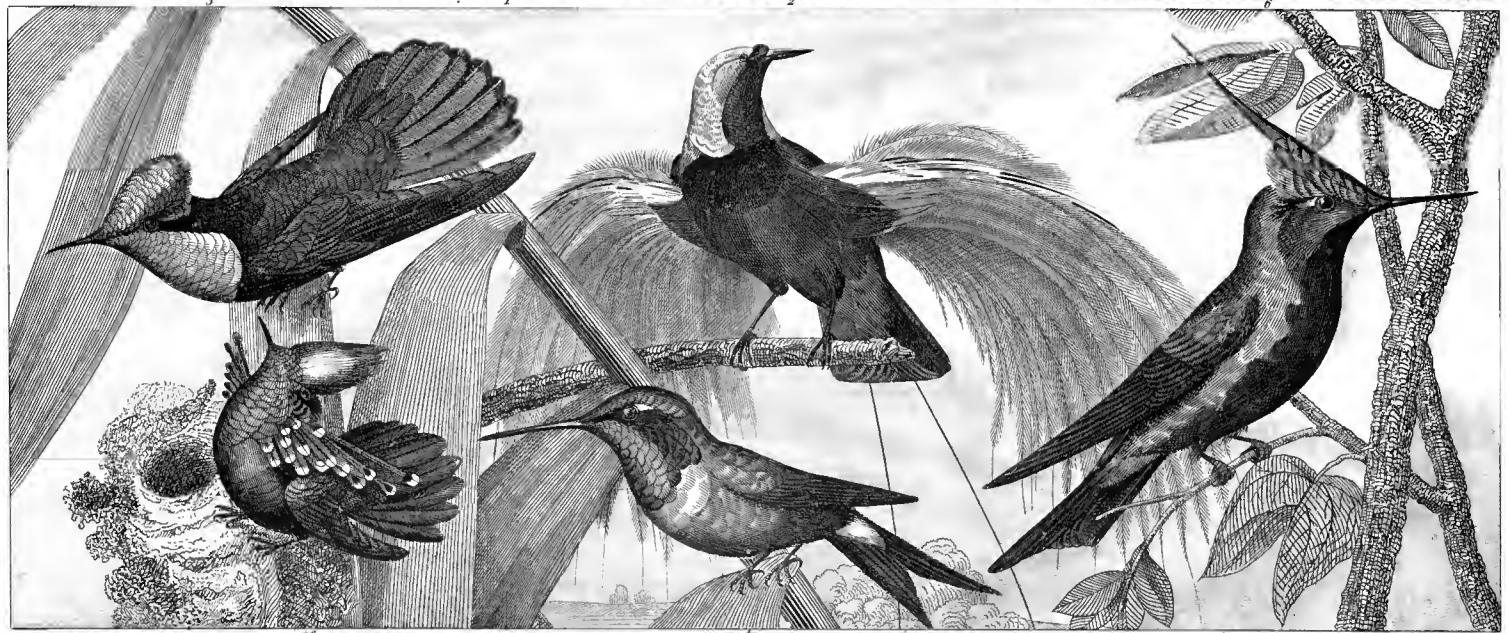




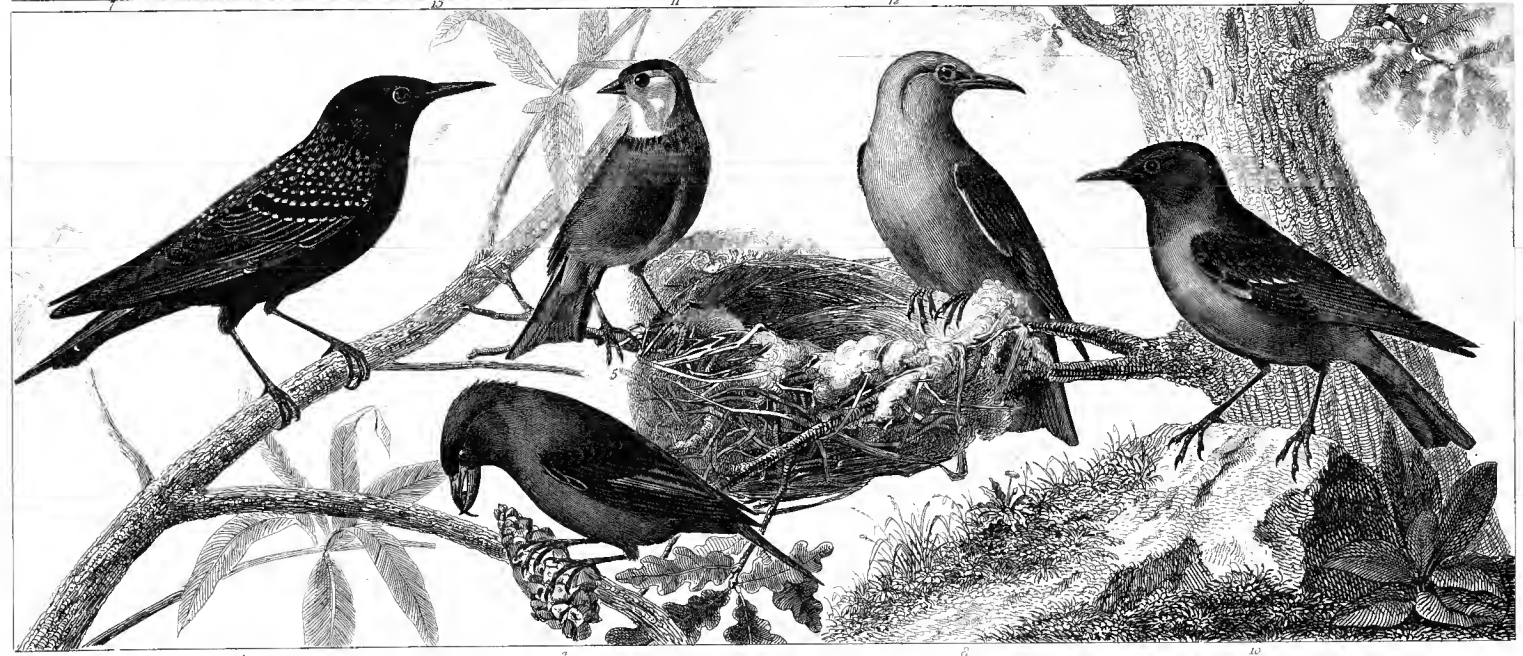
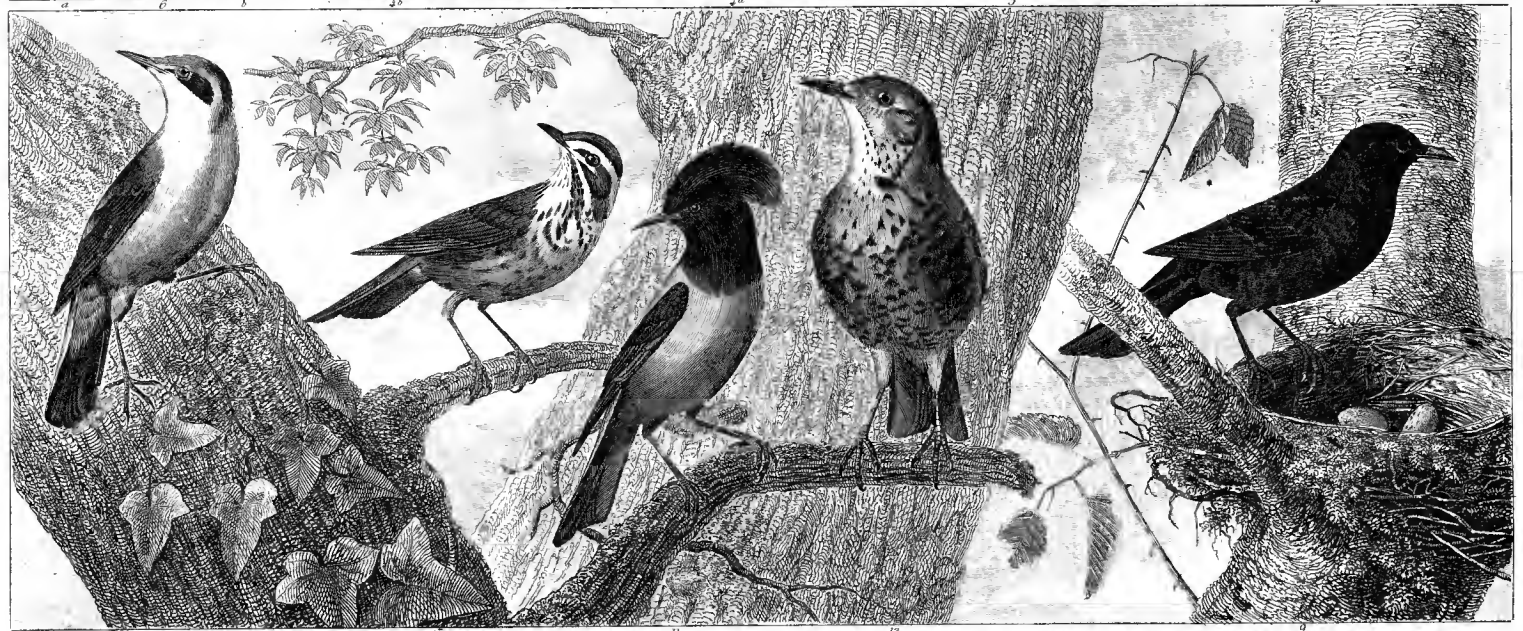
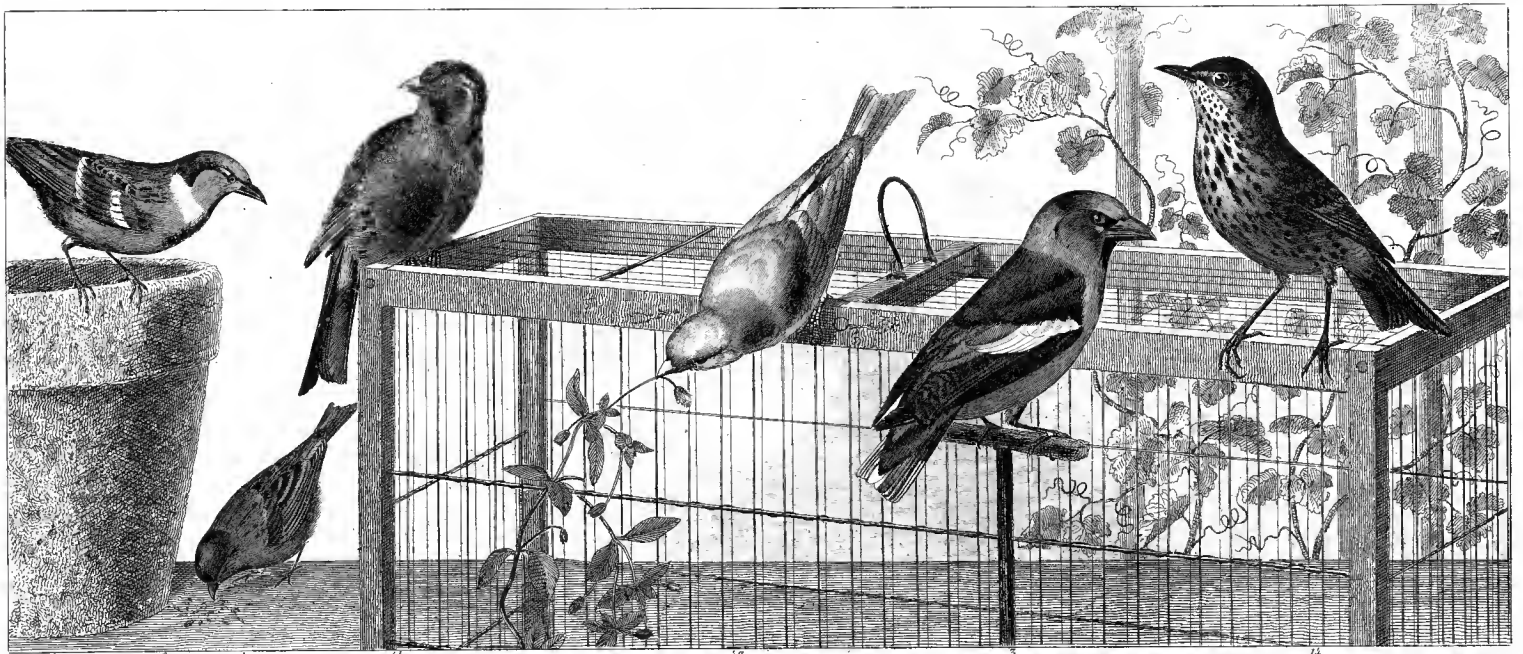




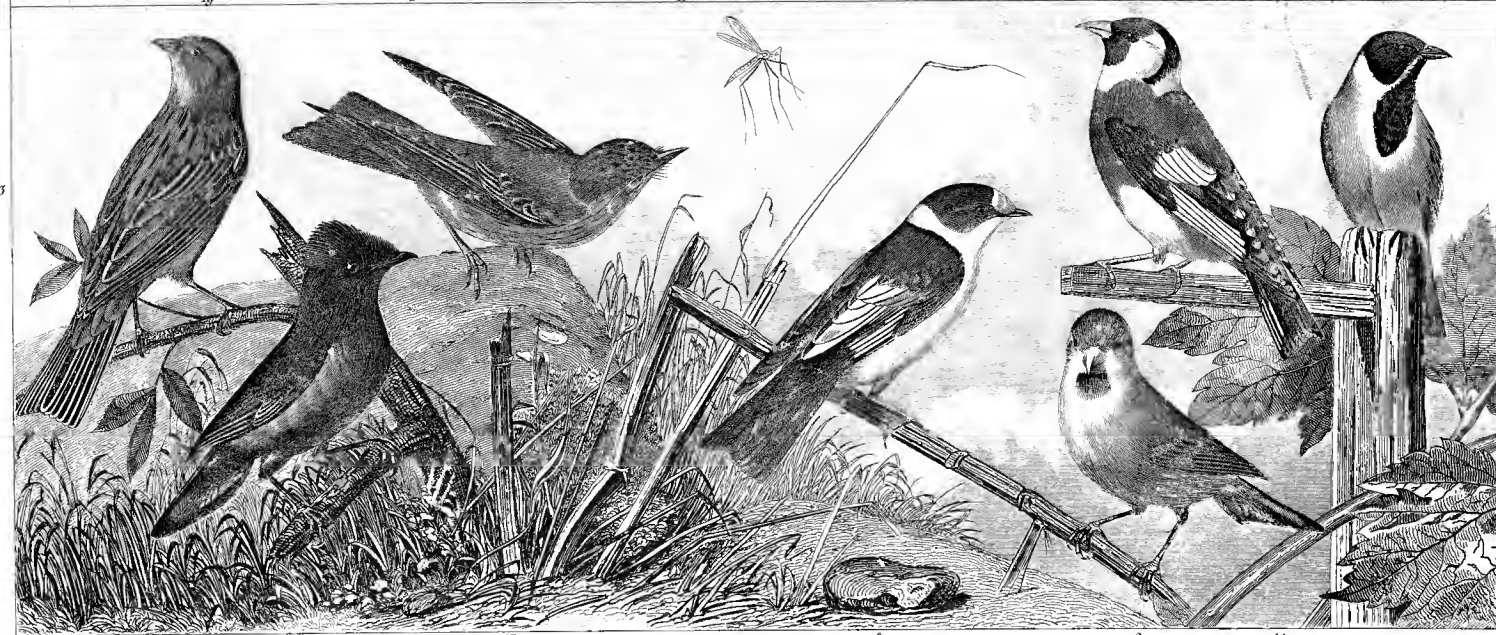
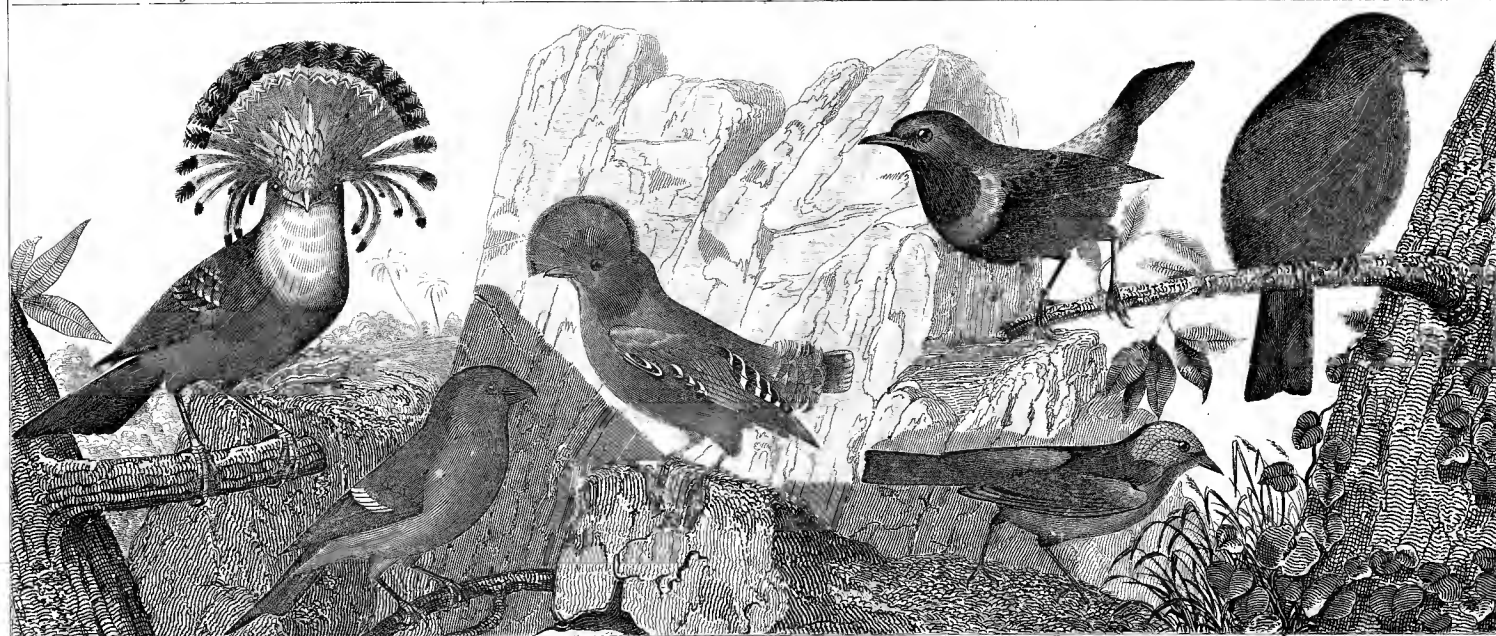




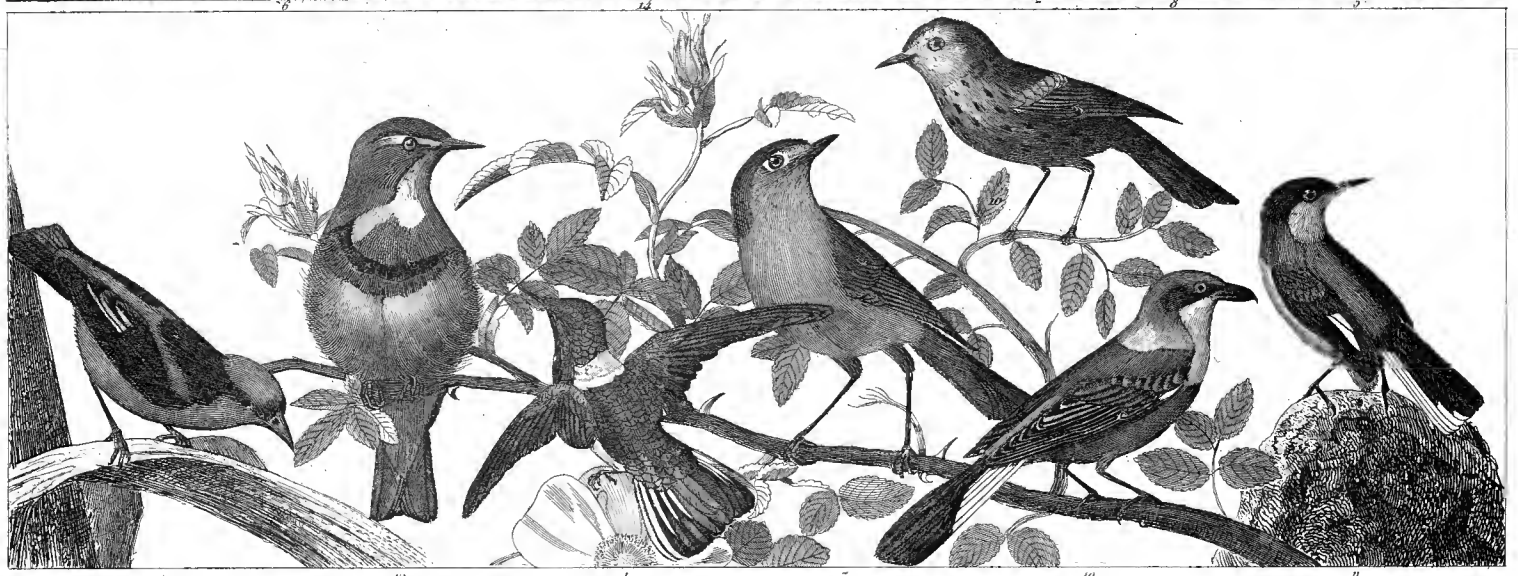
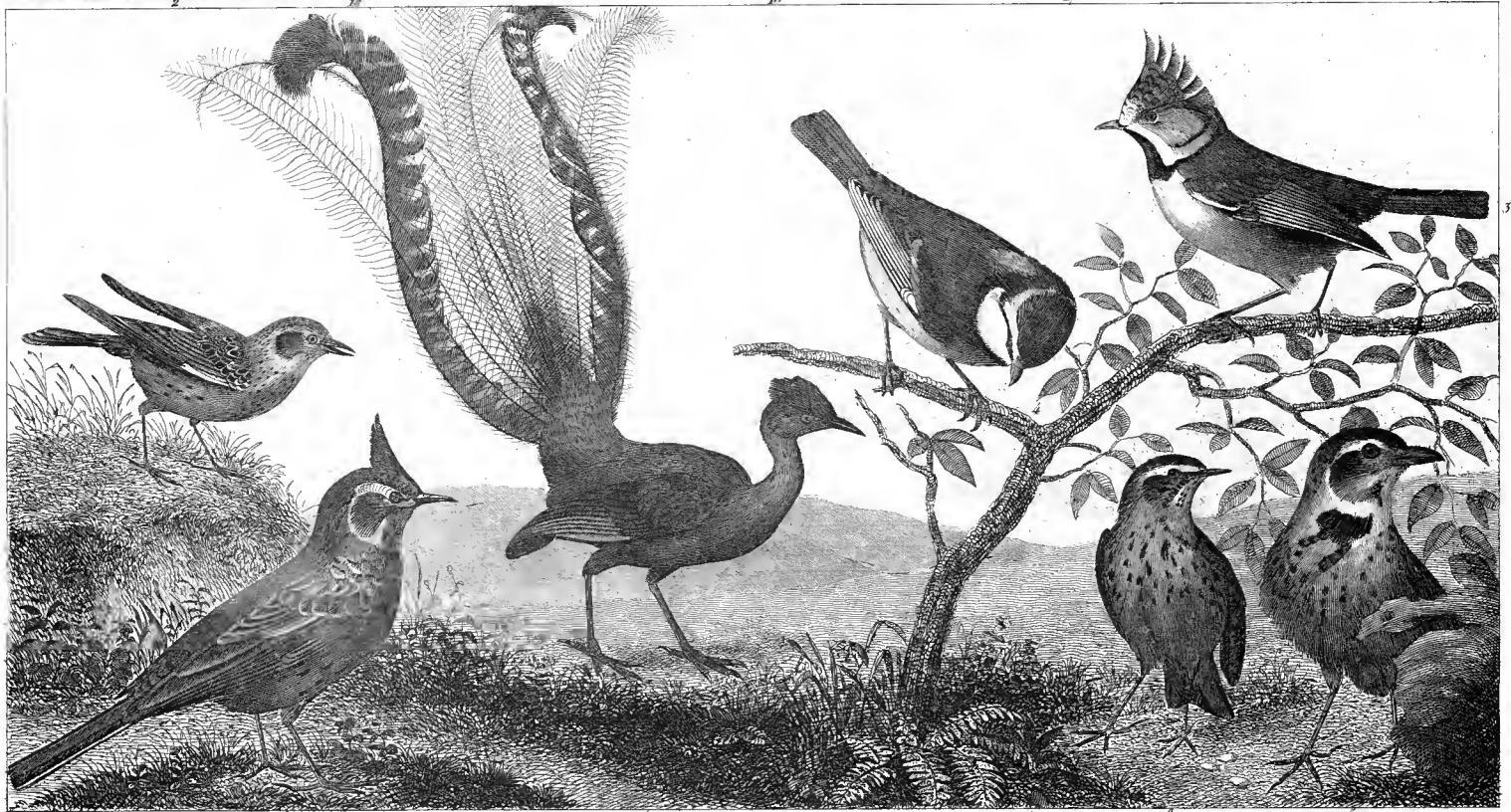
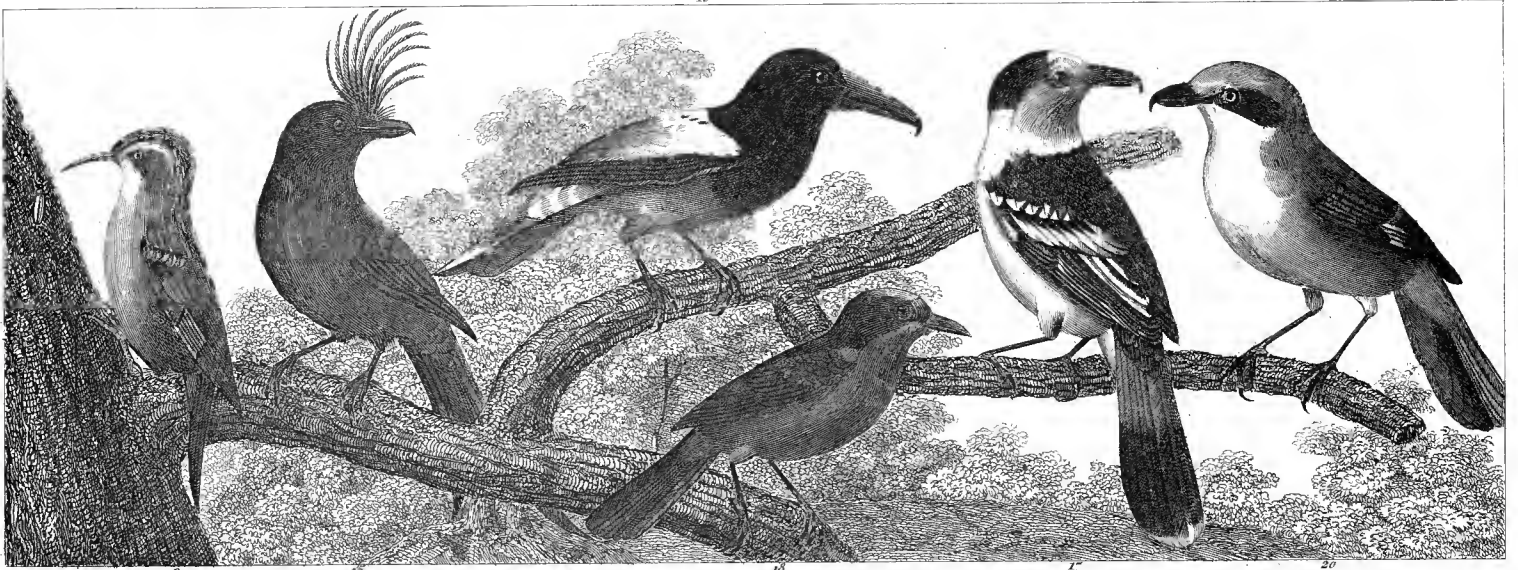












9

12

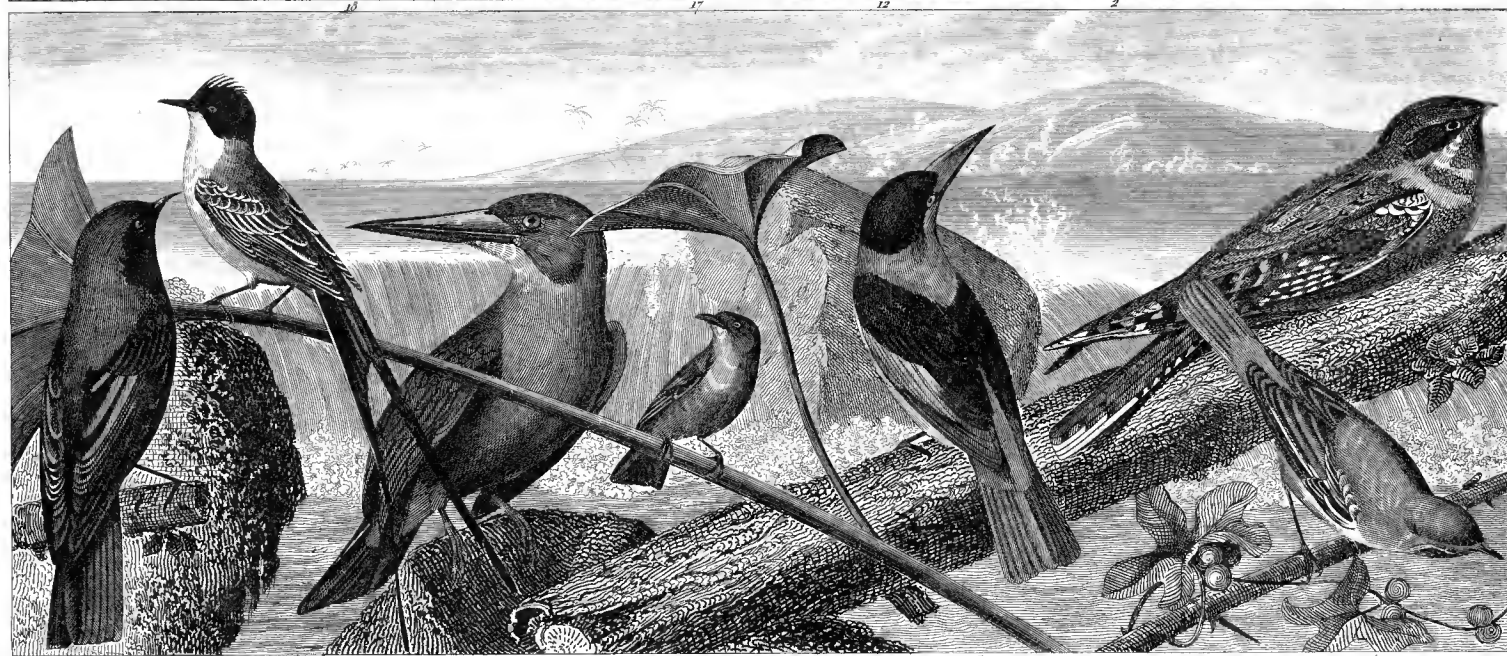
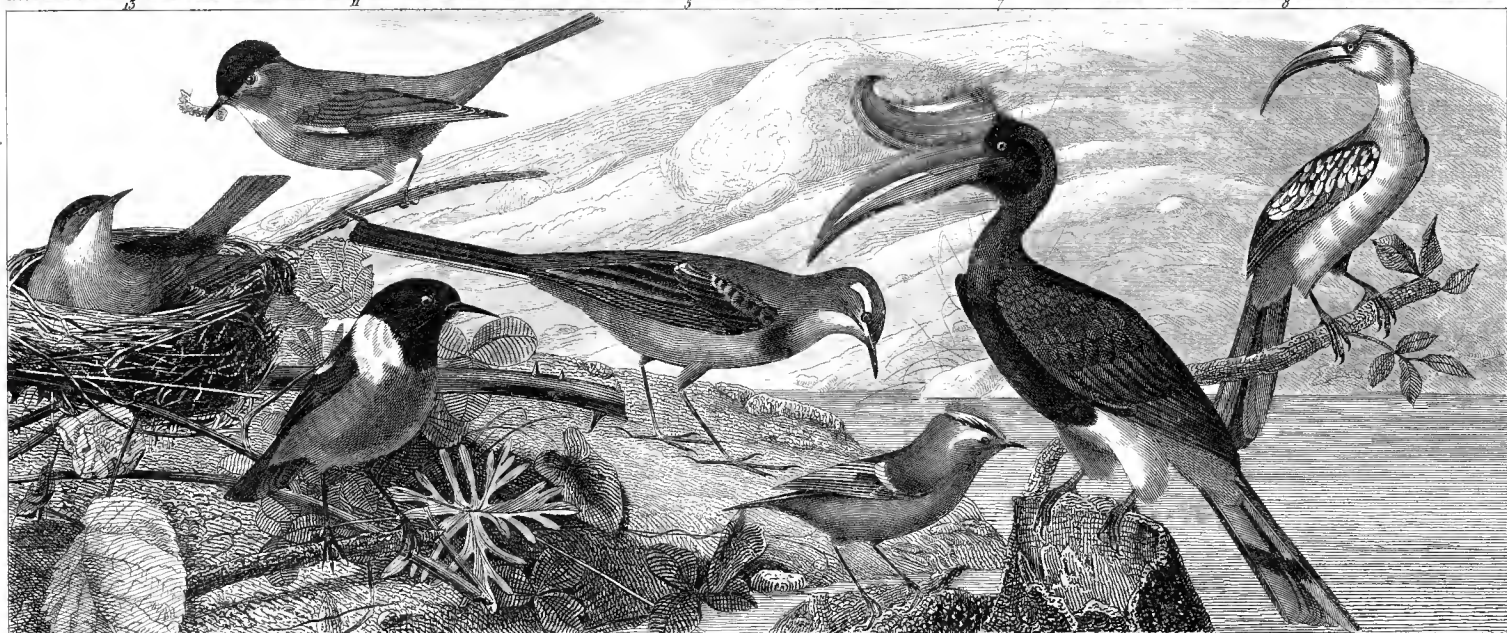
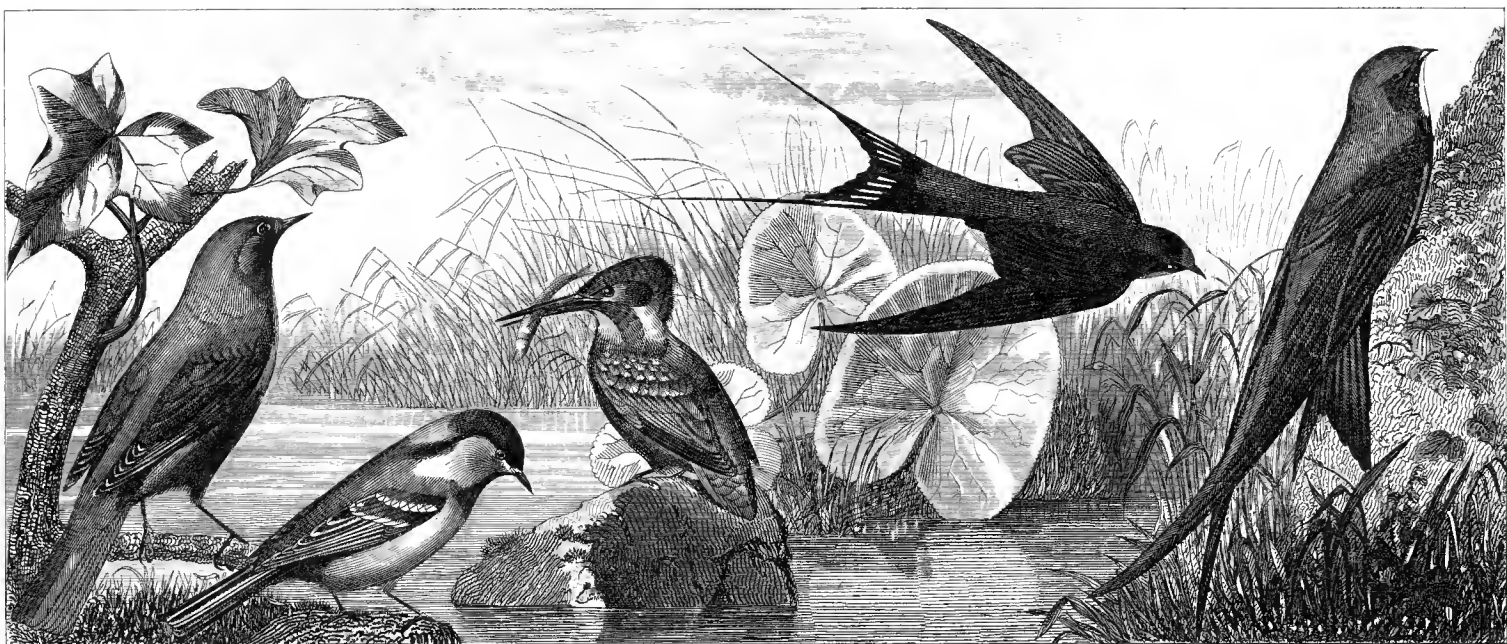
1

15

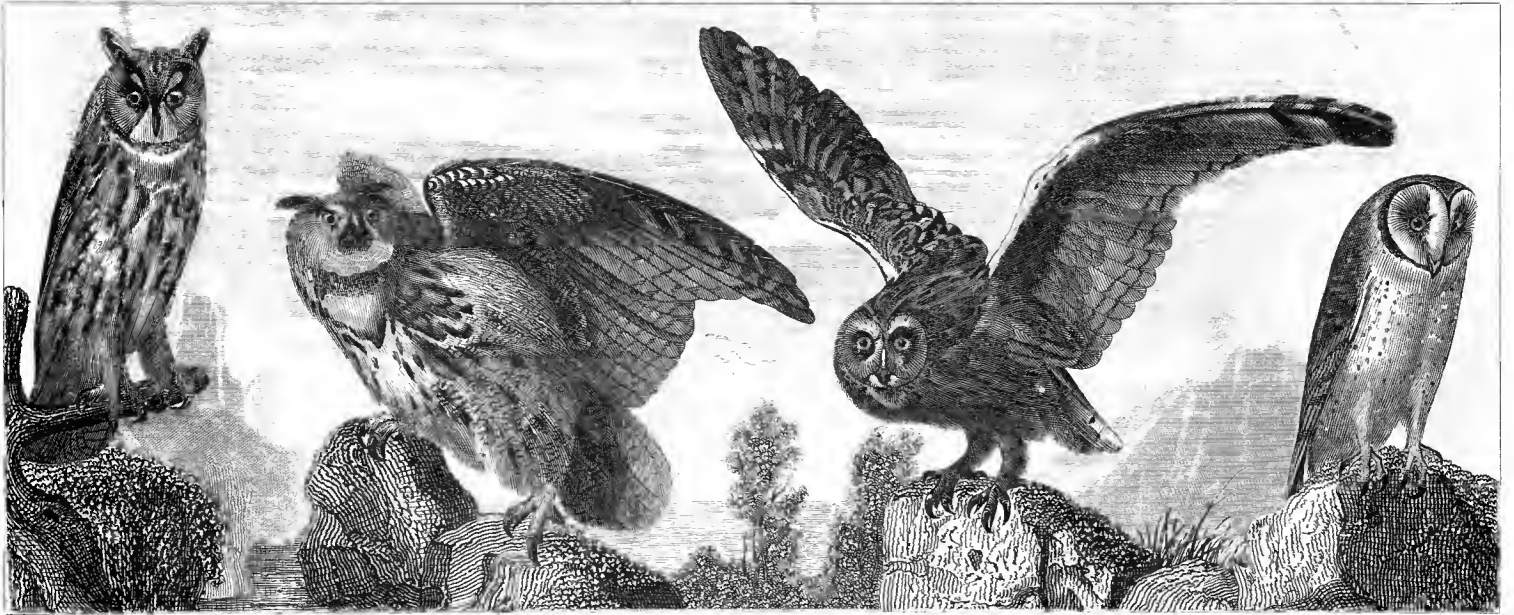
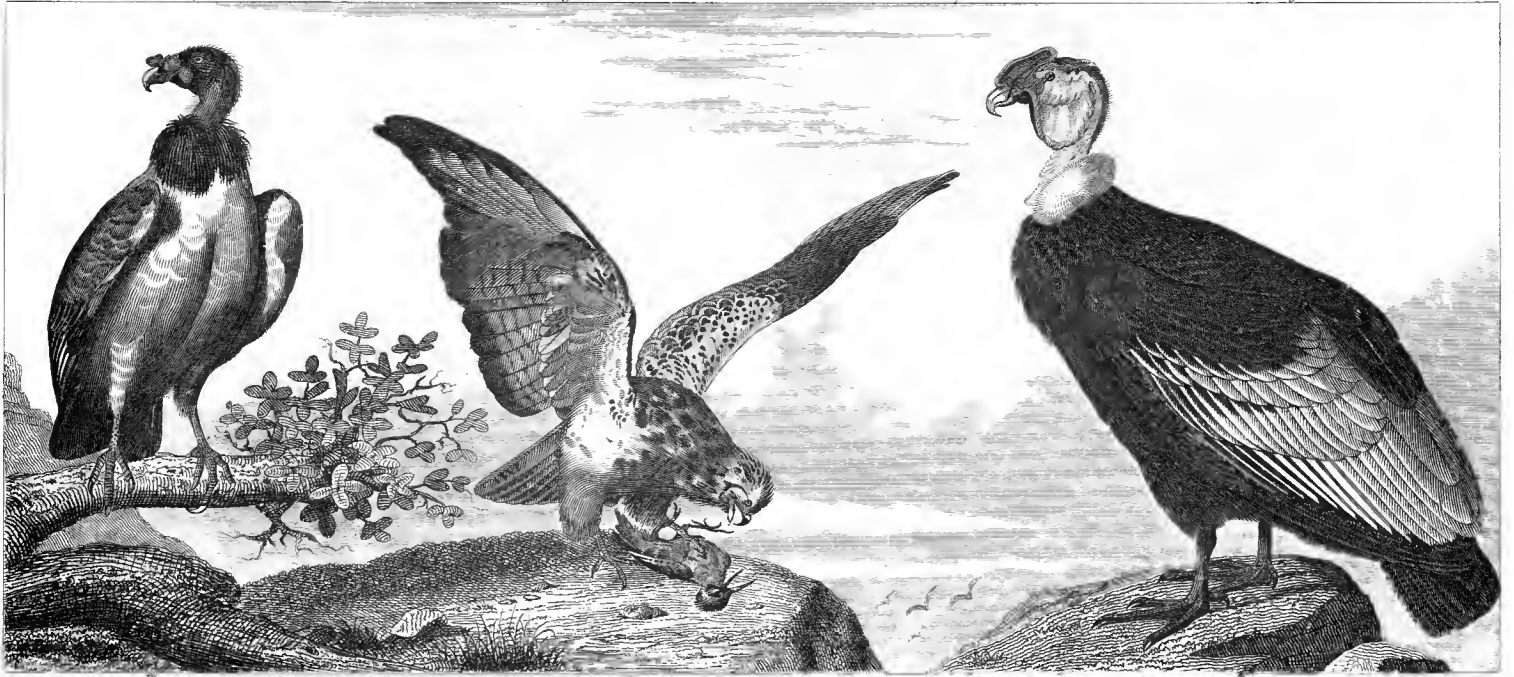
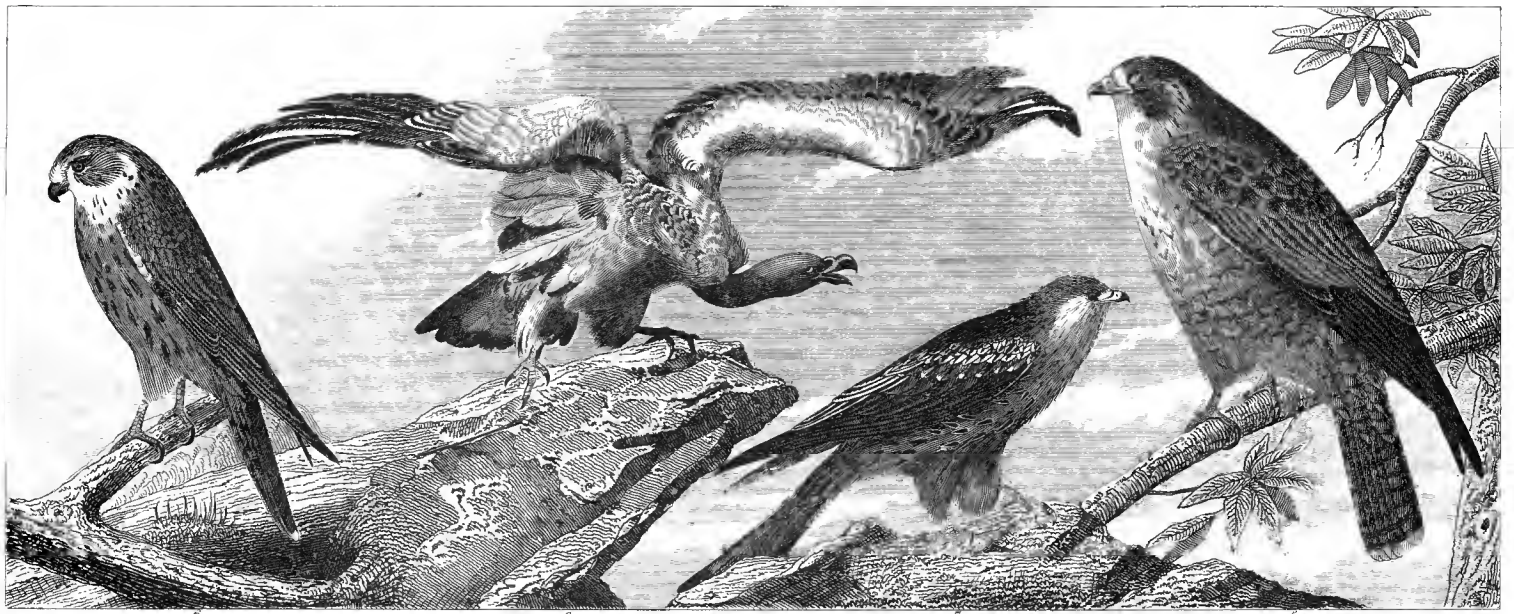
14

11

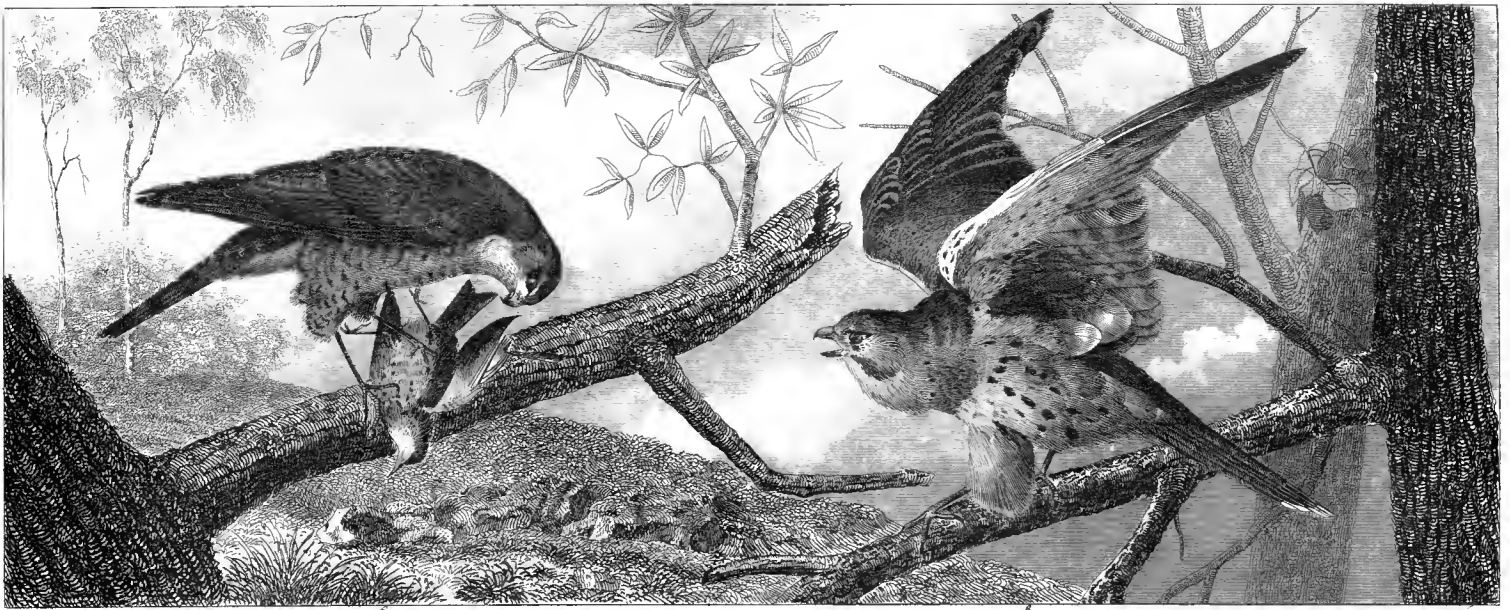




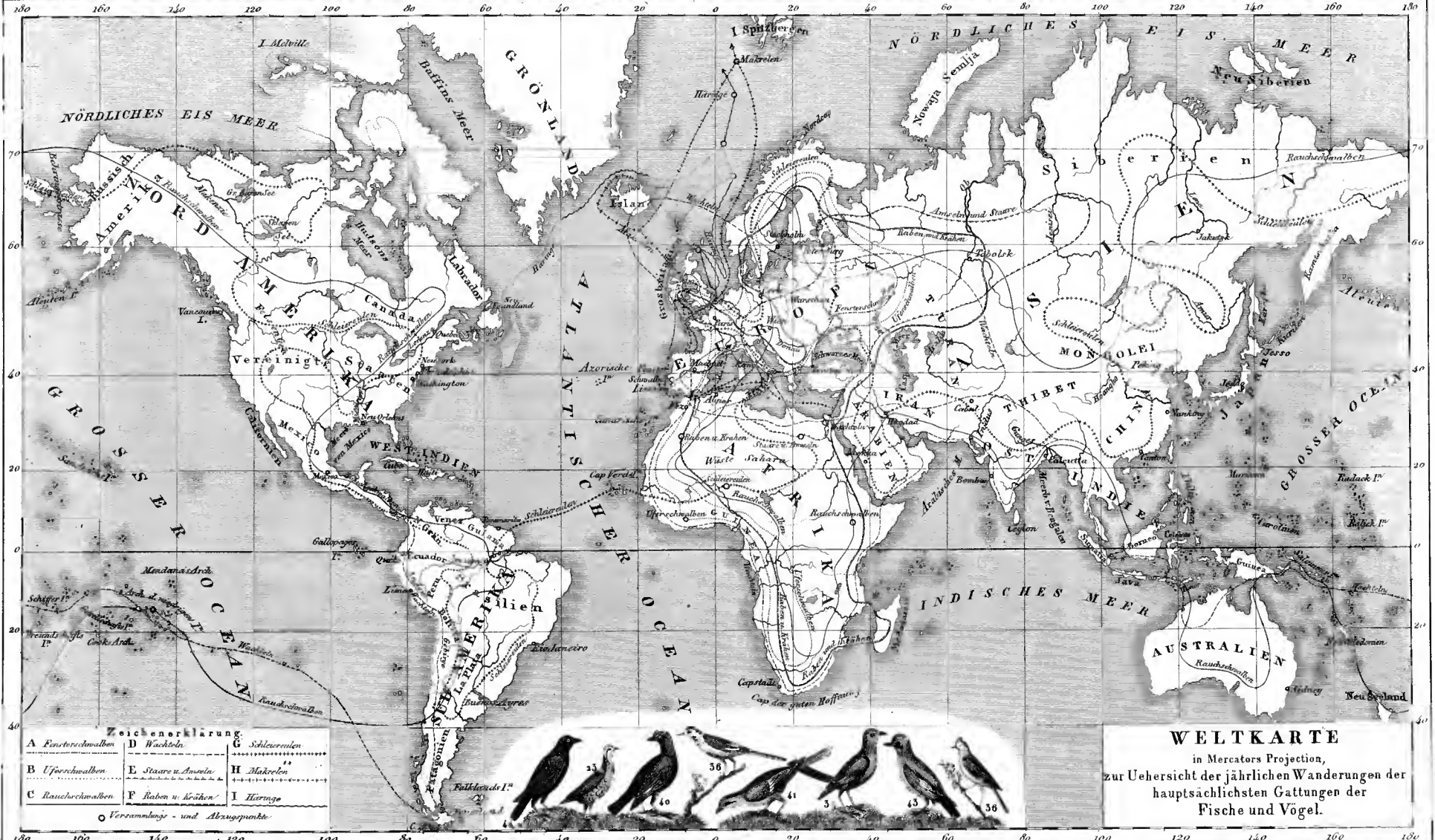
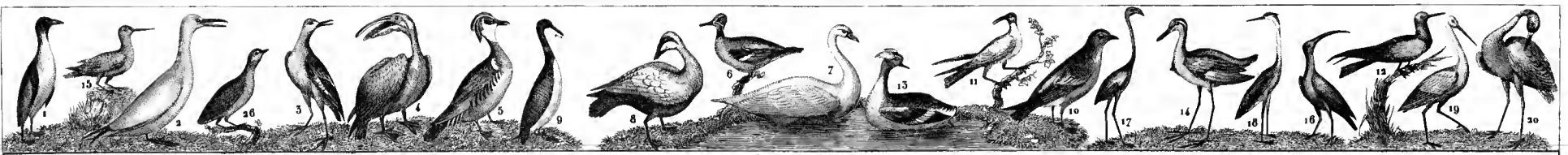




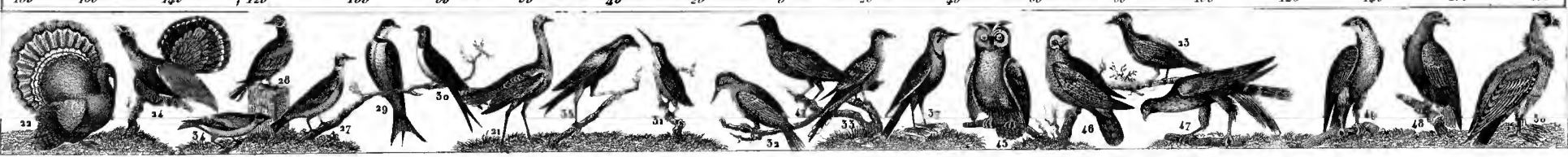




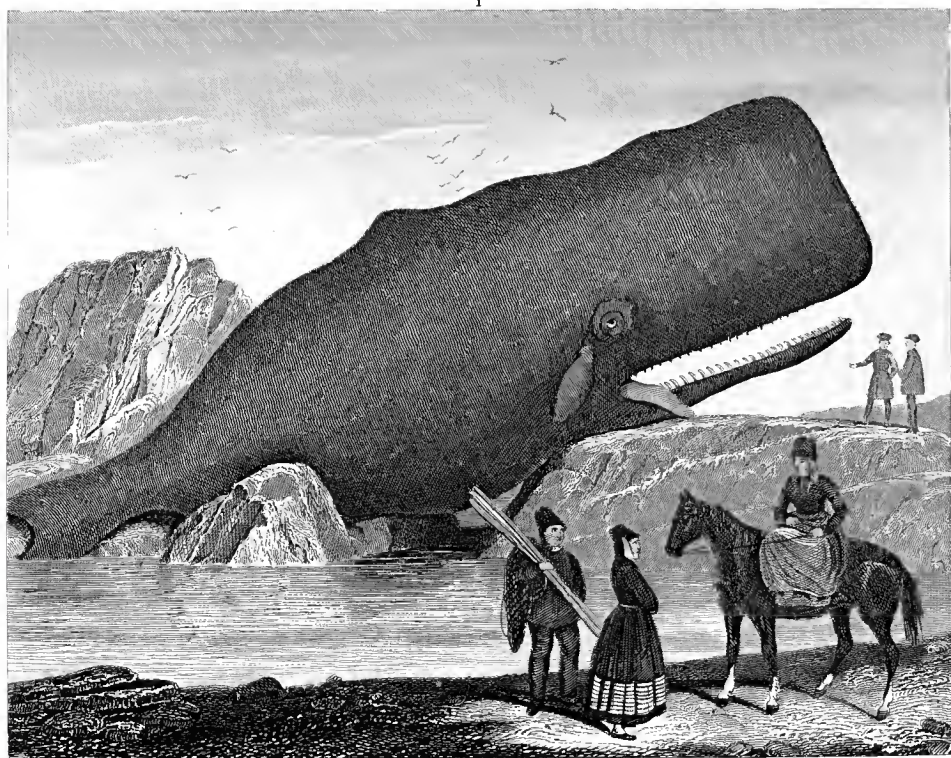
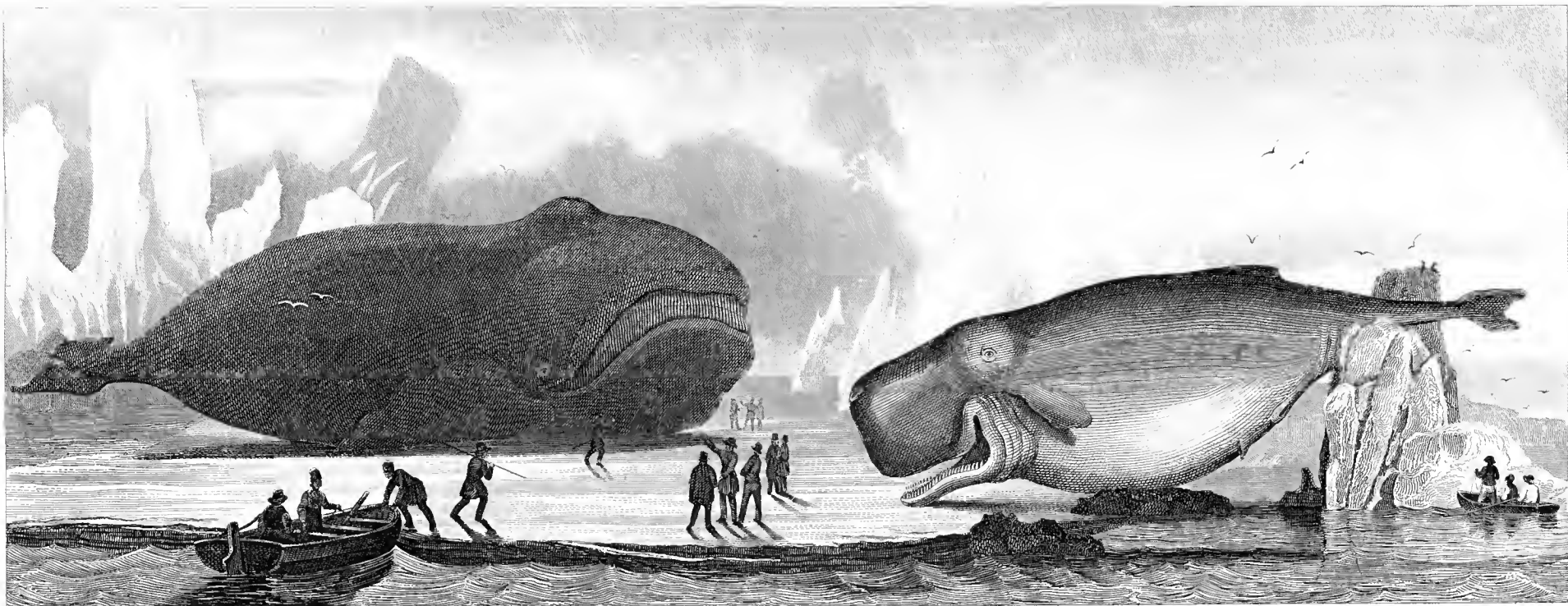




**WELTKARTE**  
 in Mercators Projection,  
 zur Uebersicht der jährlichen Wanderungen der  
 hauptsächlichsten Gattungen der  
 Fische und Vogel.







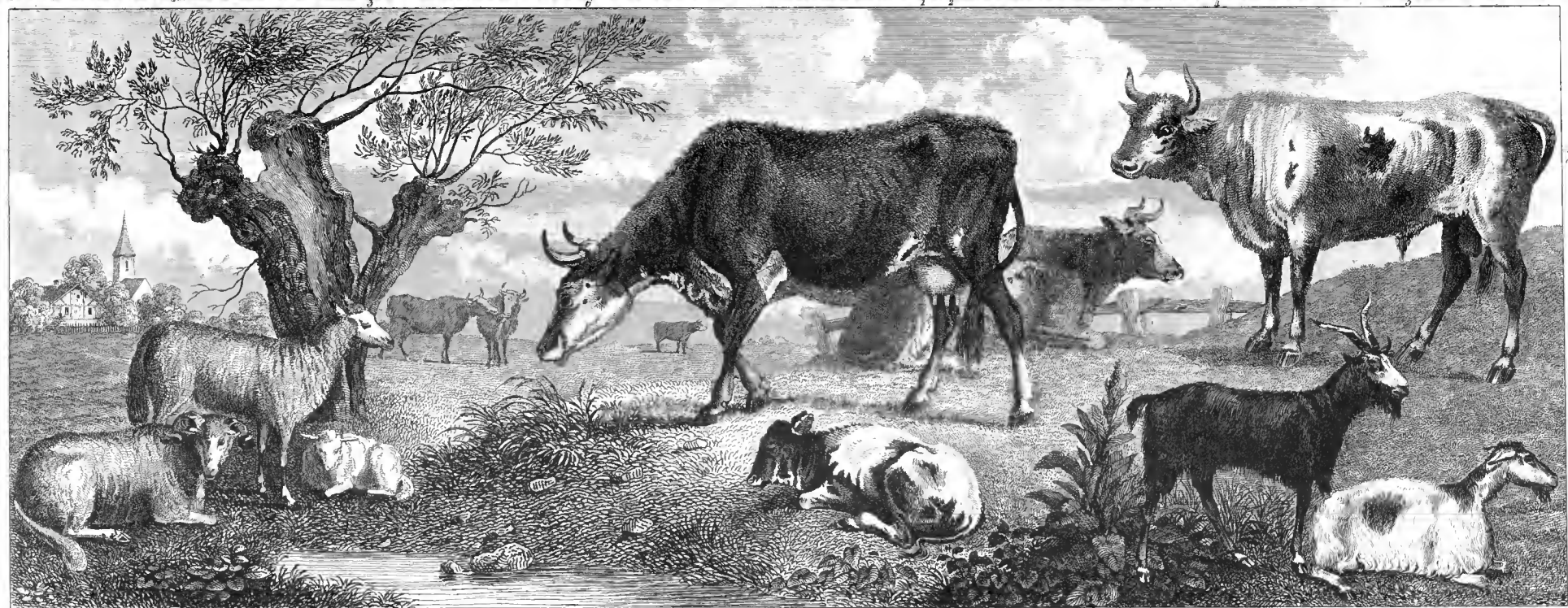
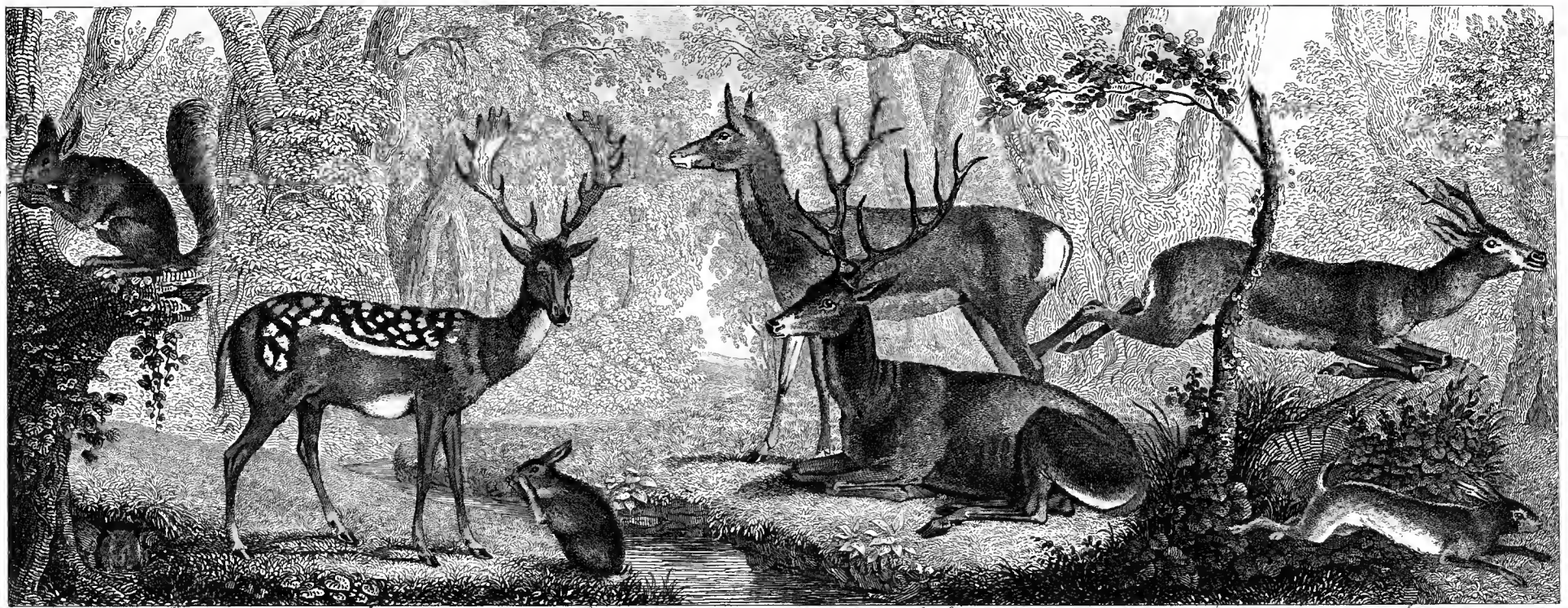
1

2

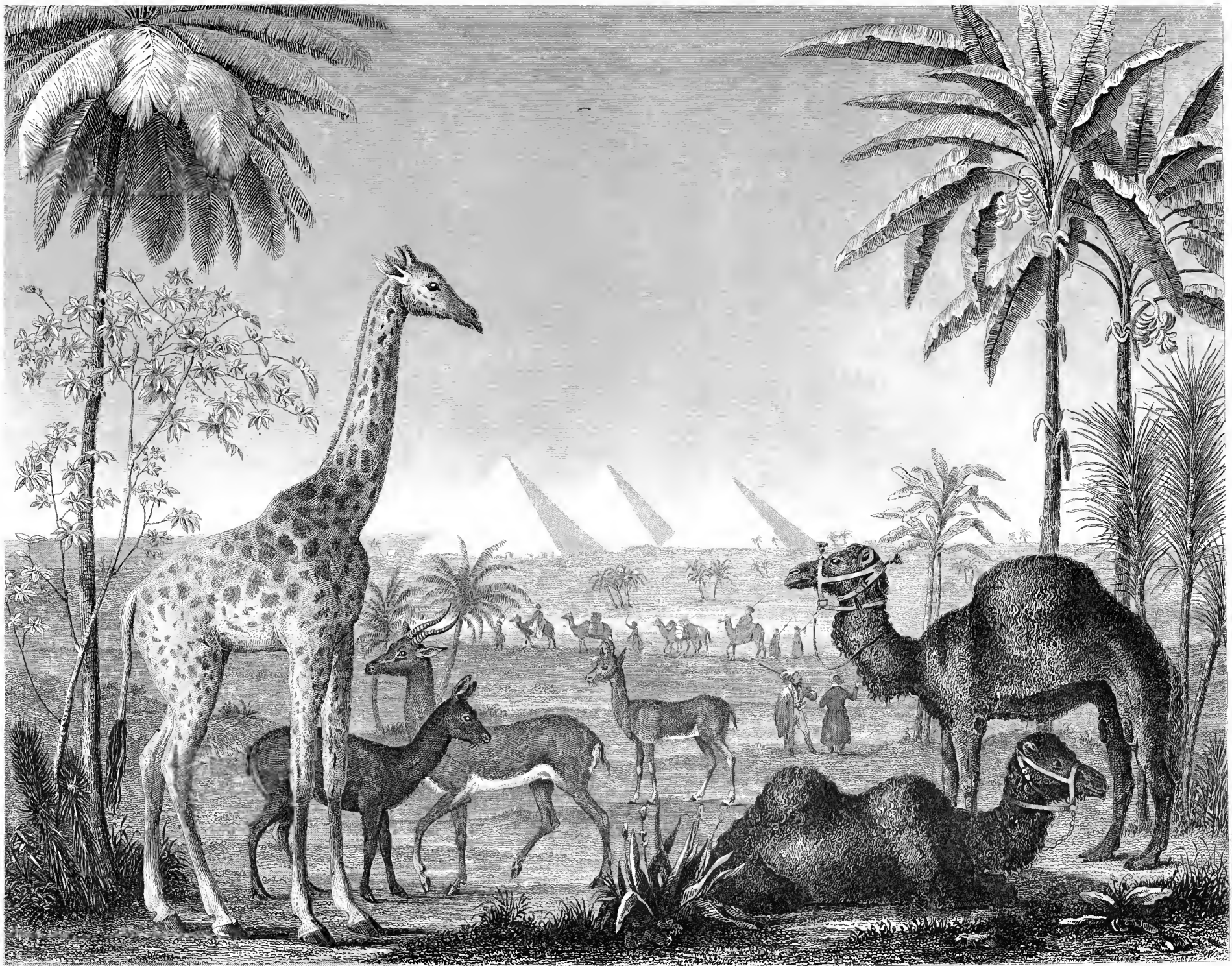
3

4









3

4

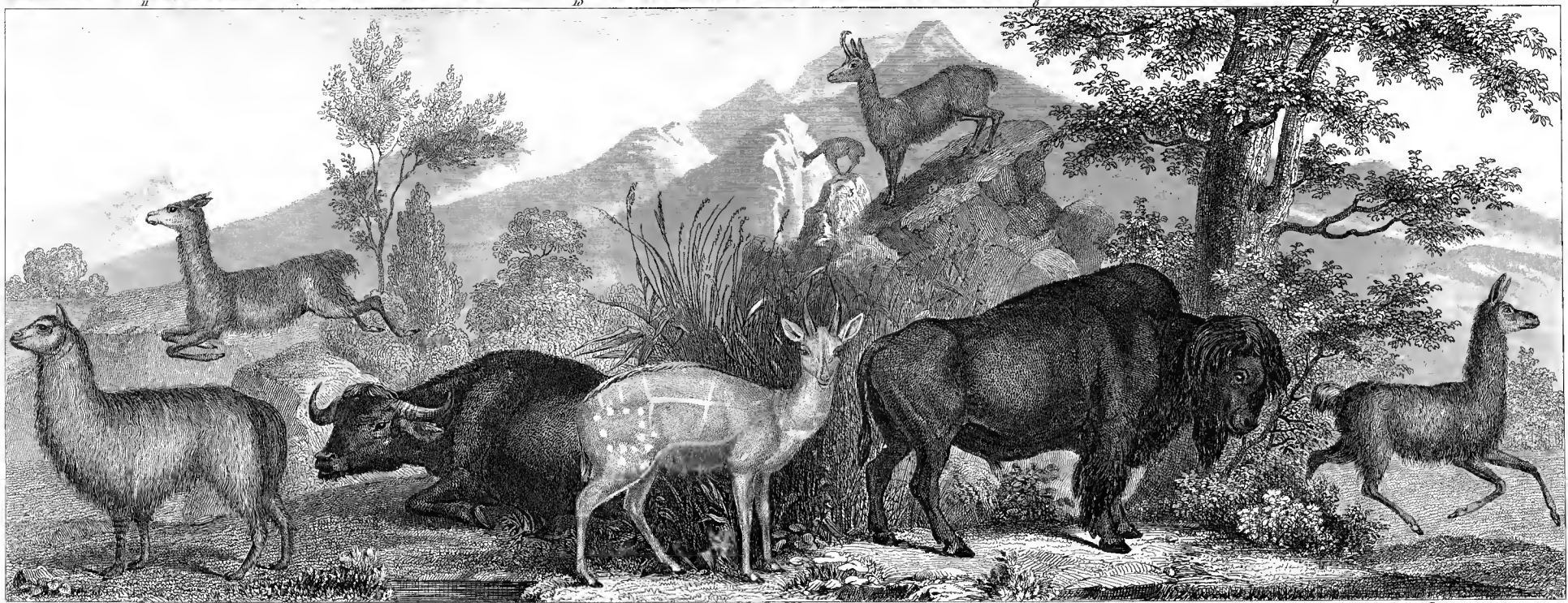
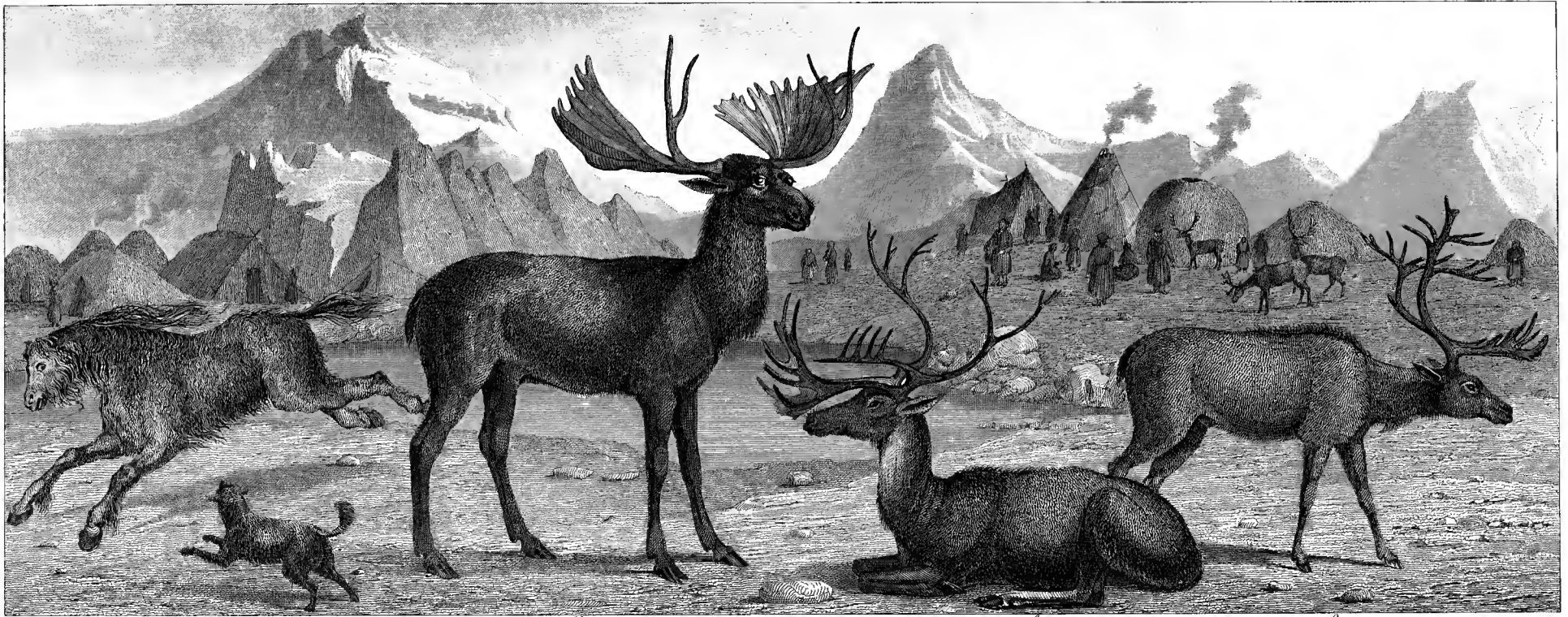
5

6

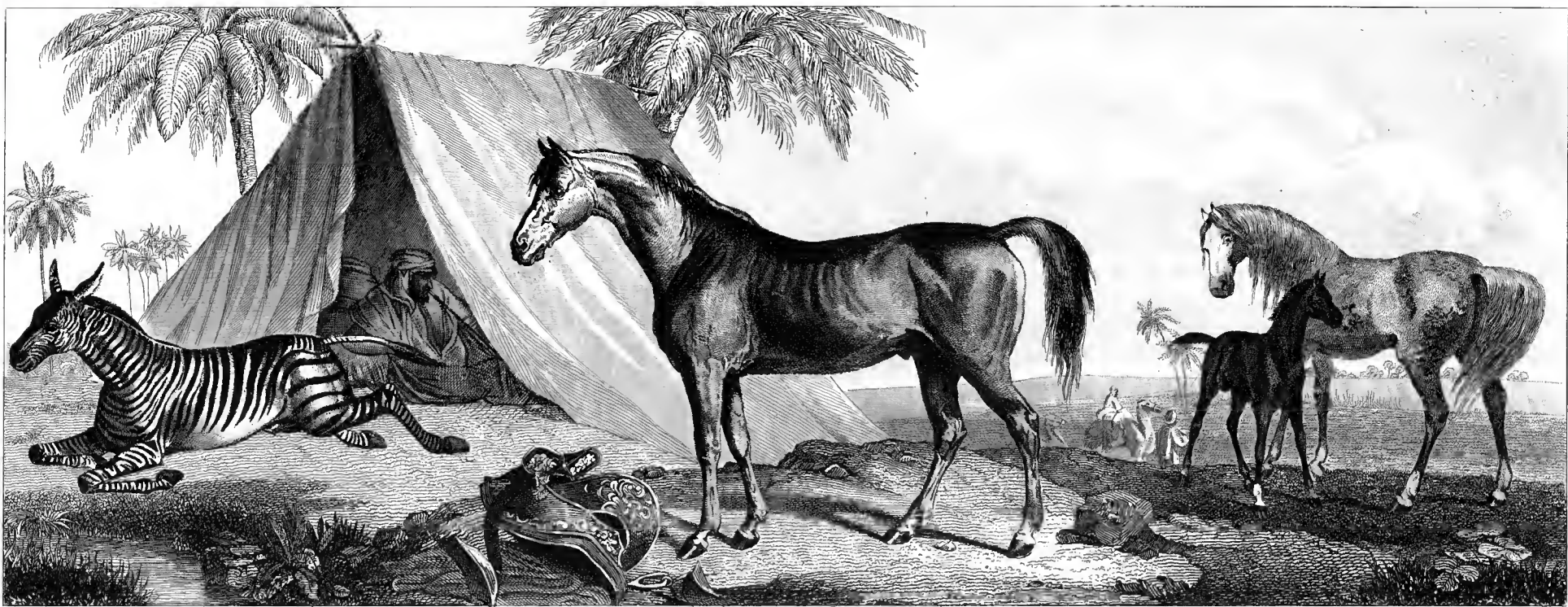
1

2

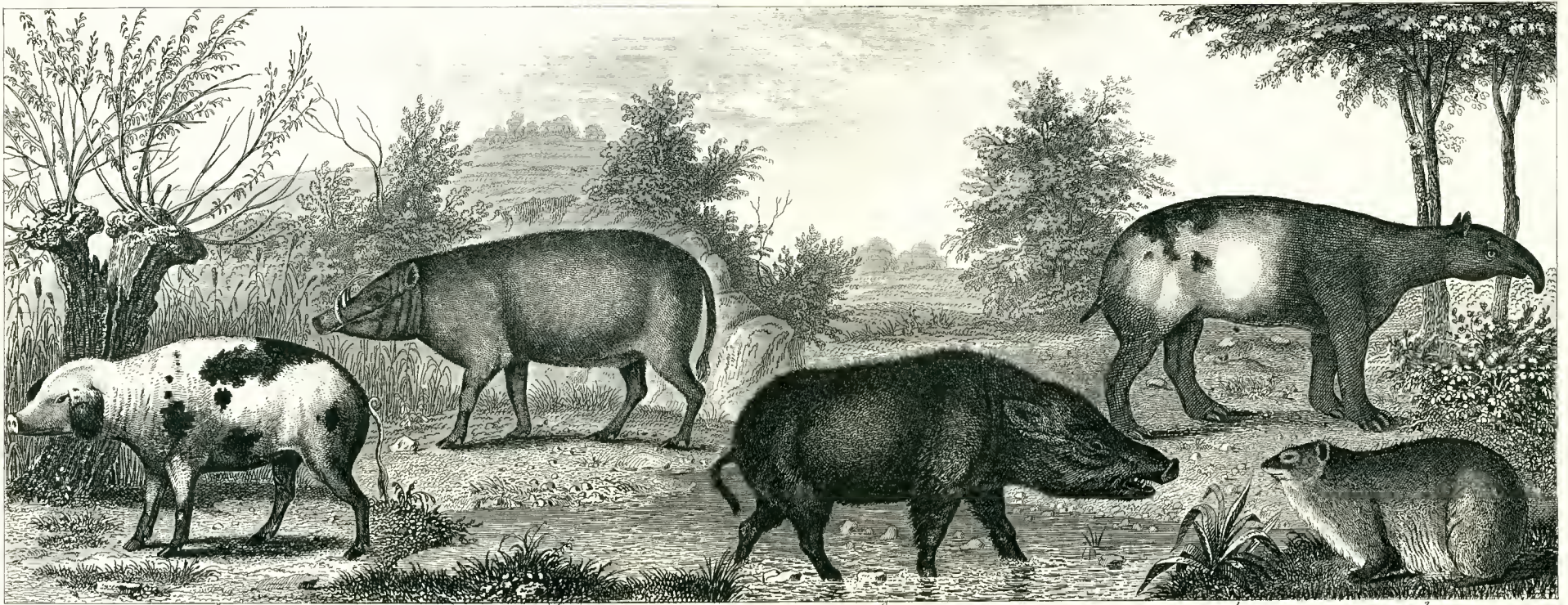




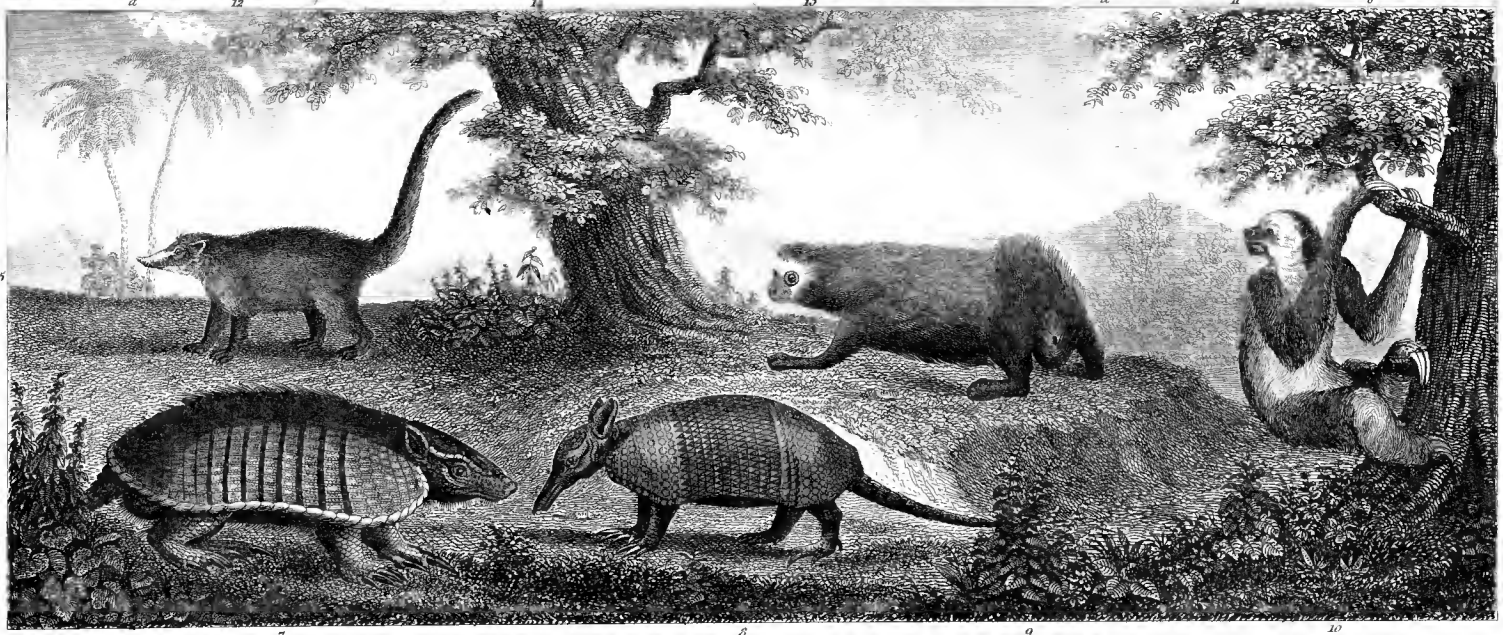
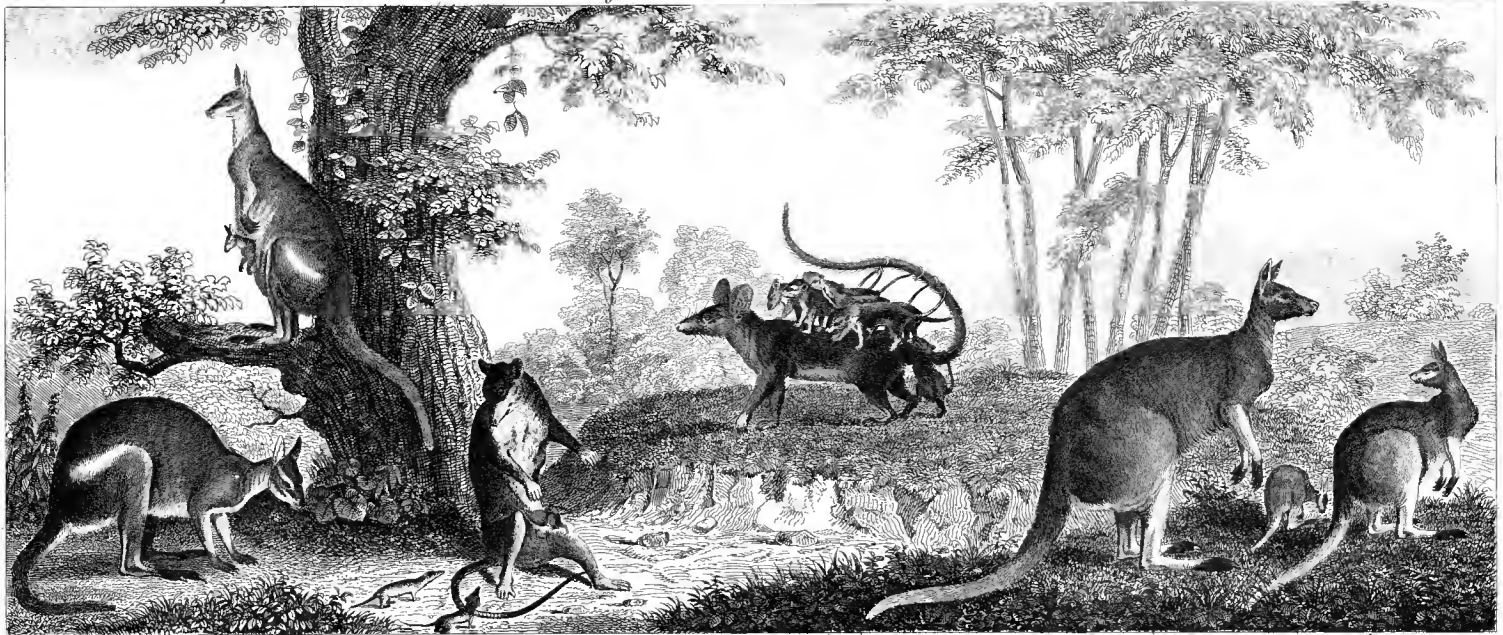
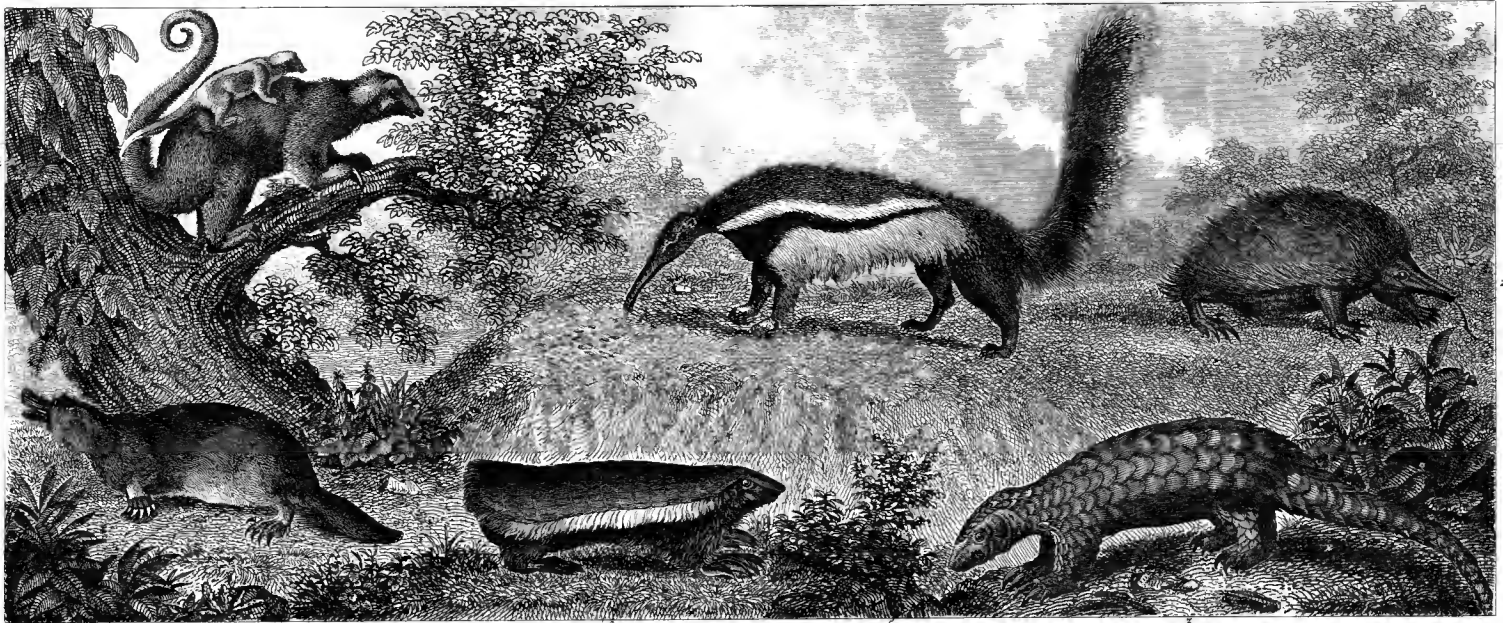




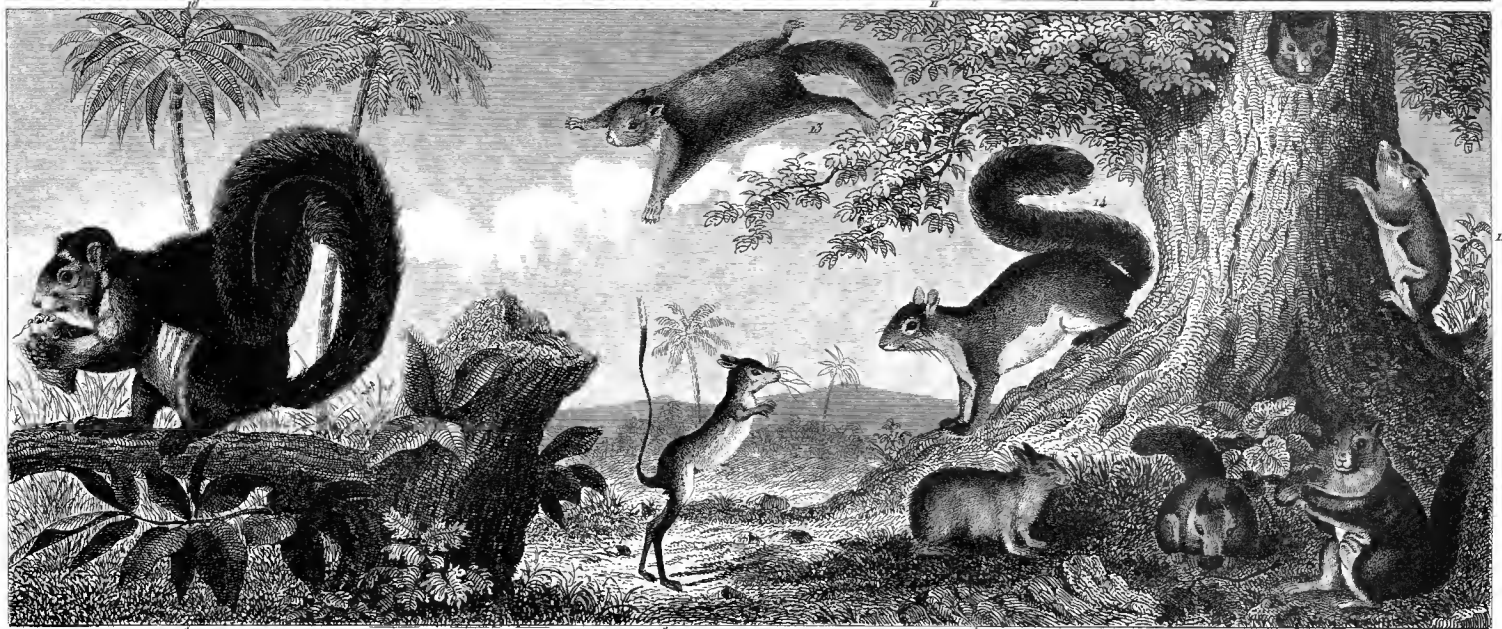
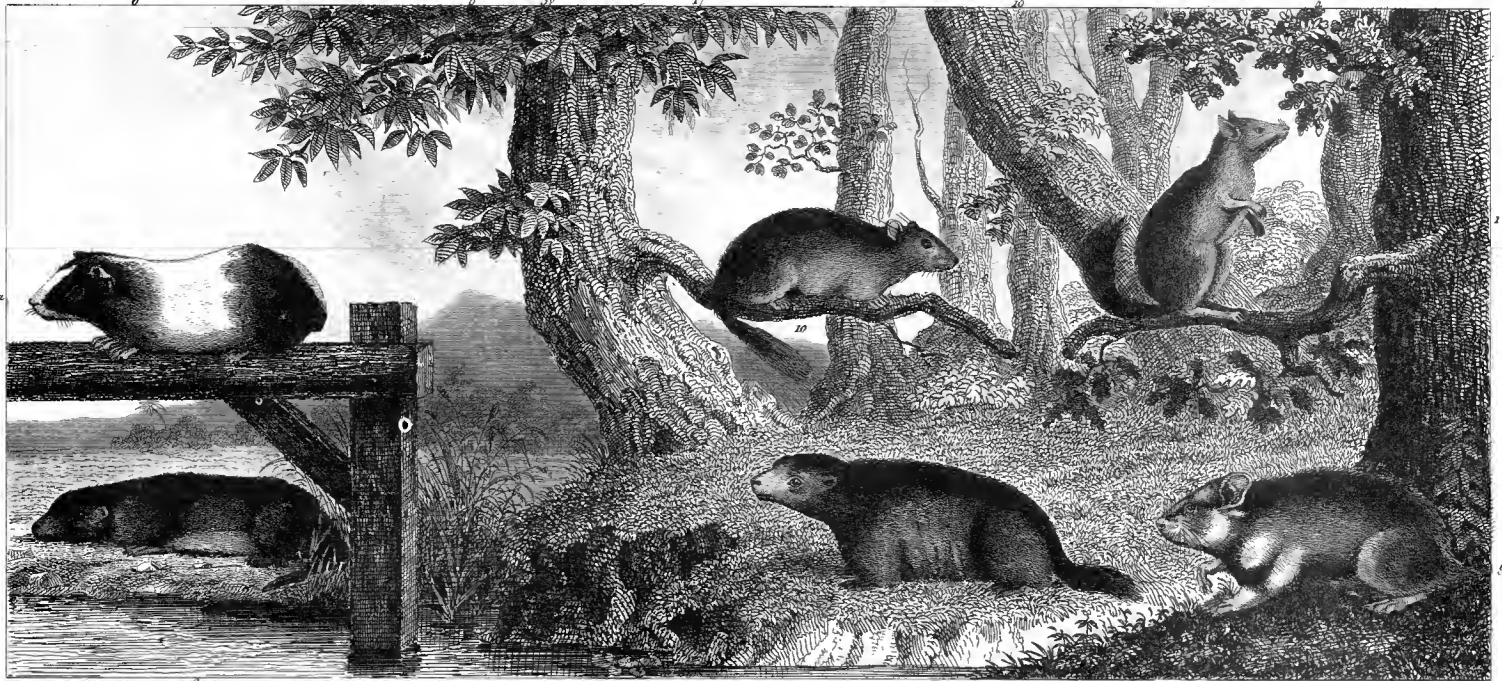
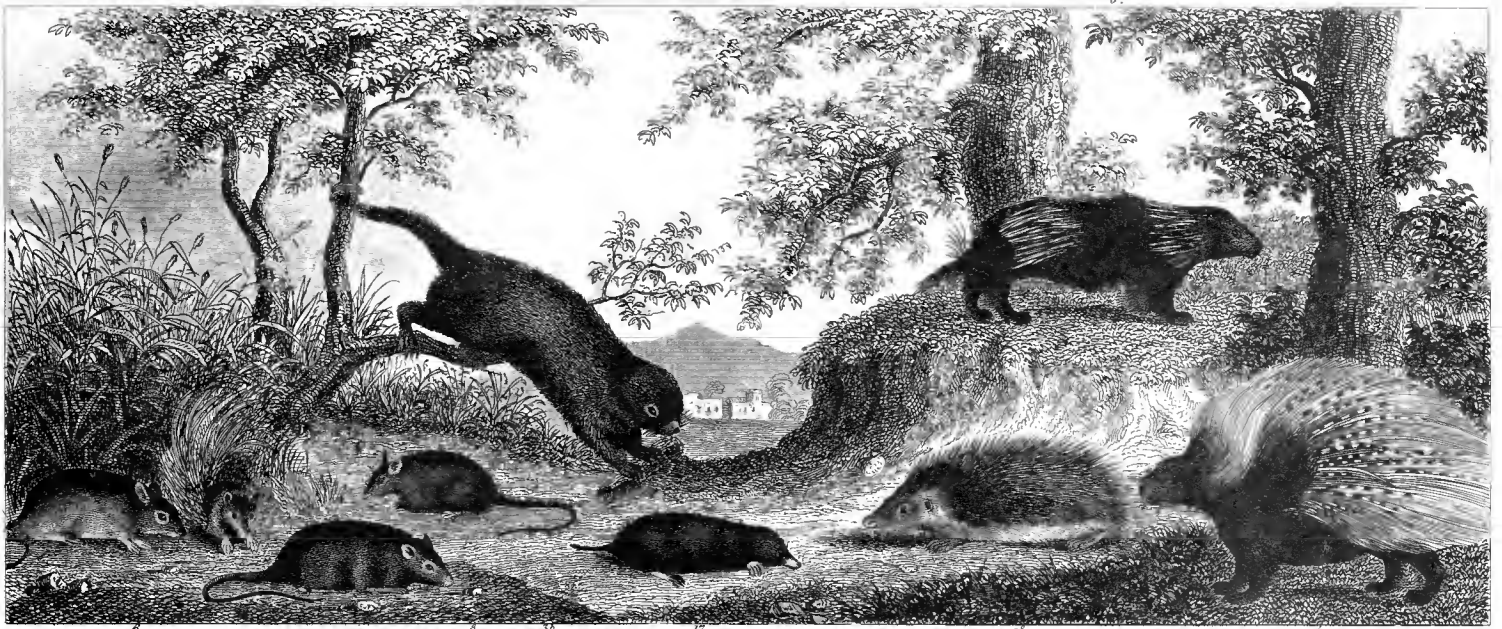




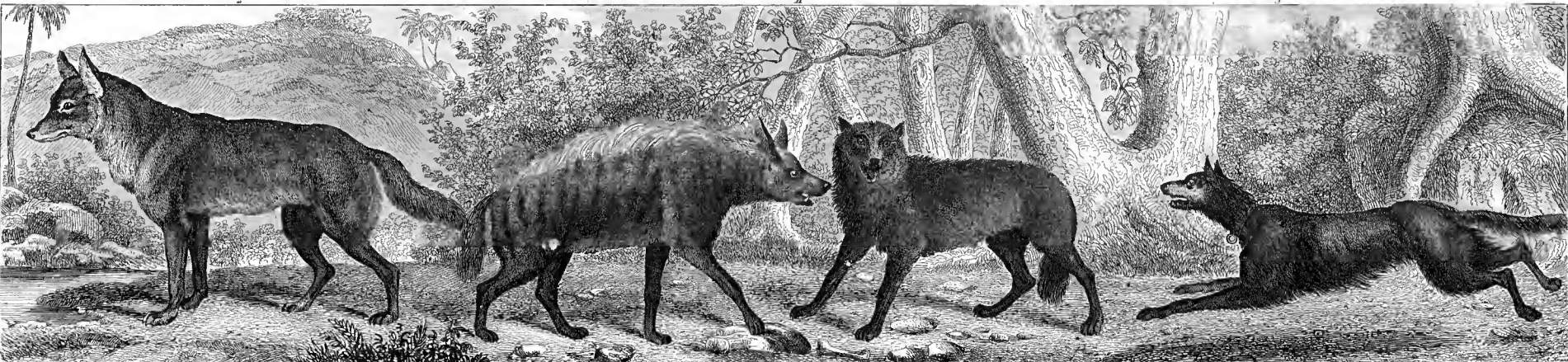
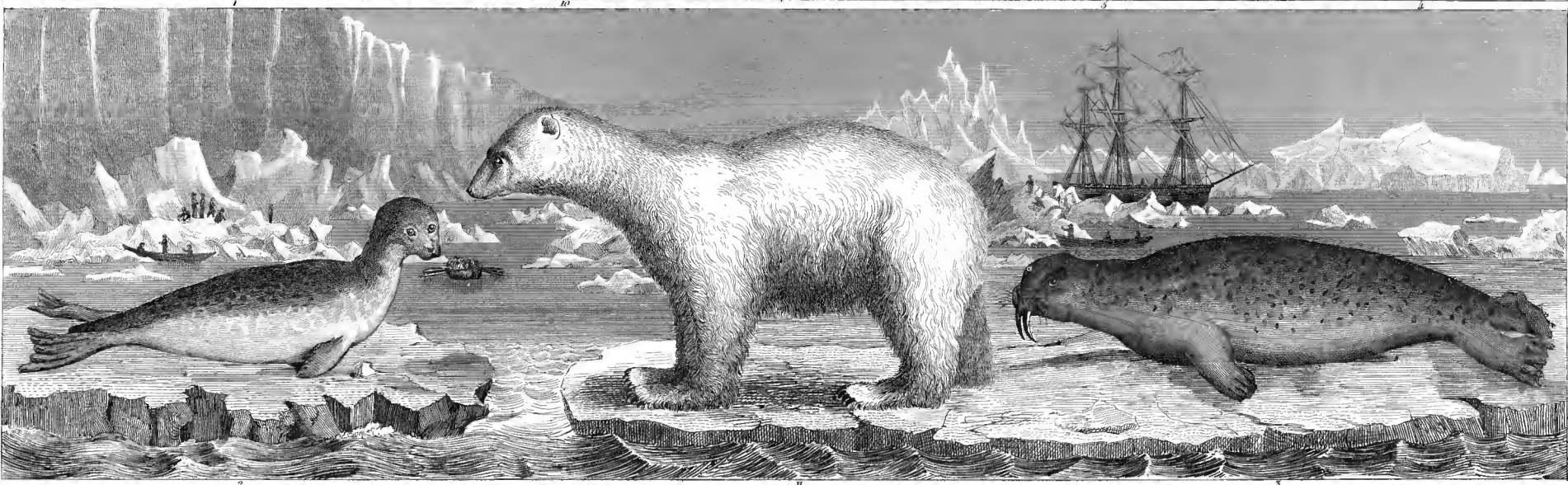
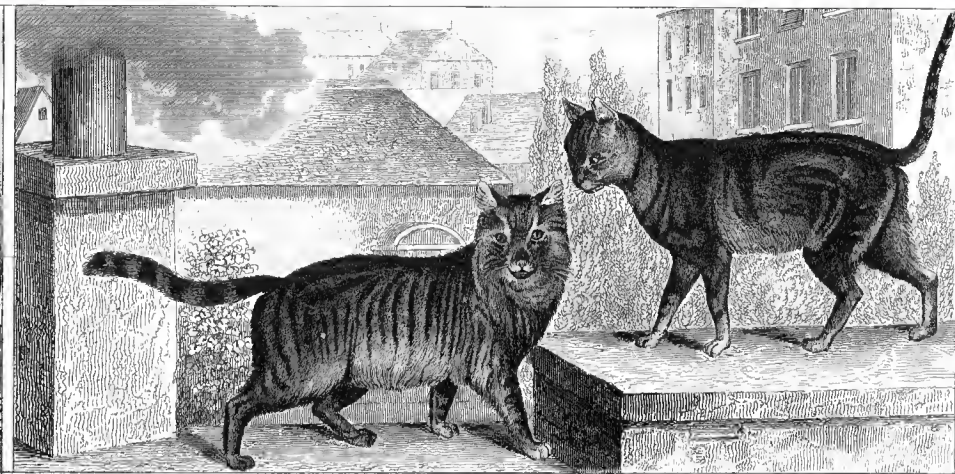
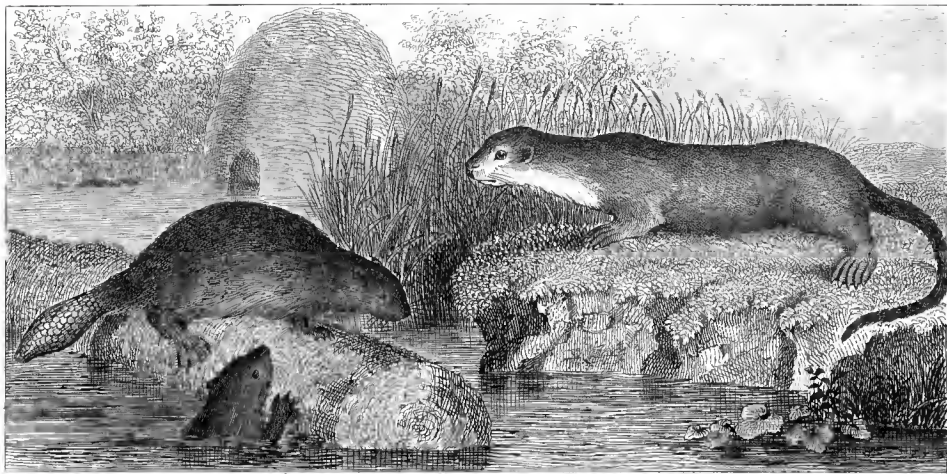












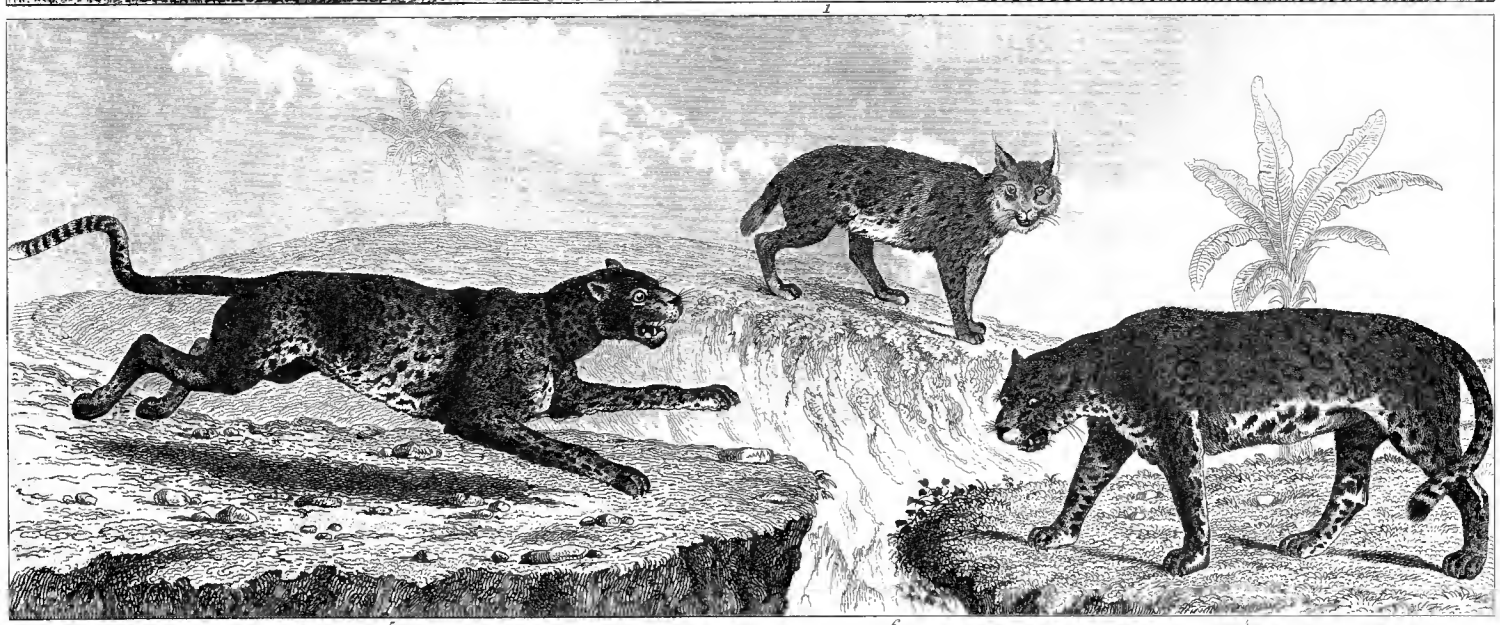
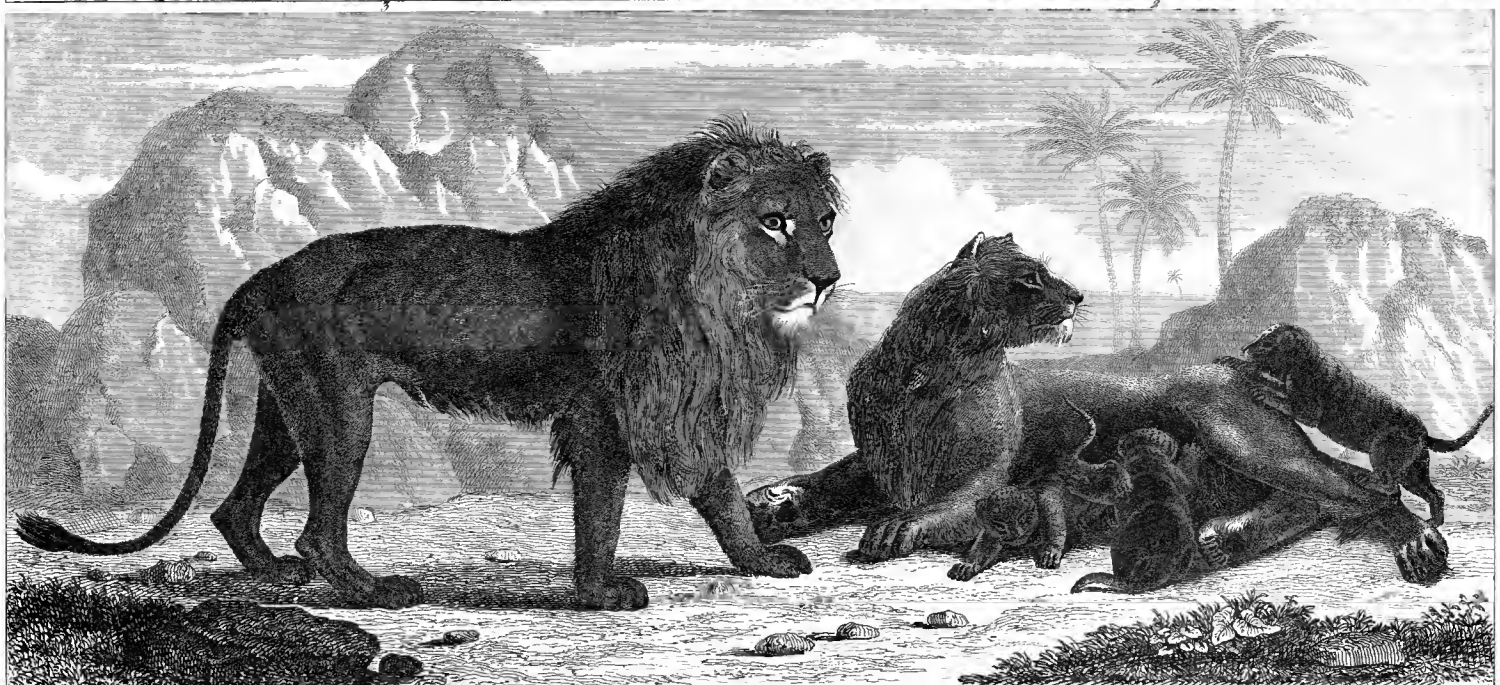
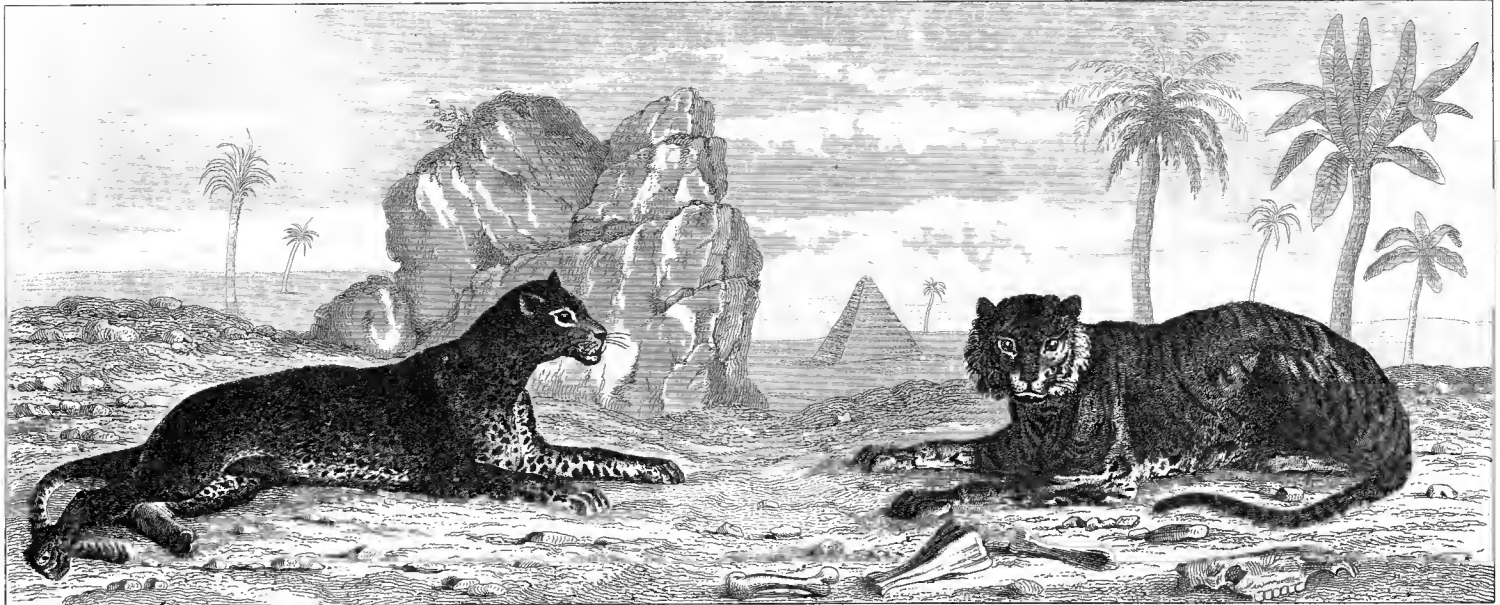
7

6

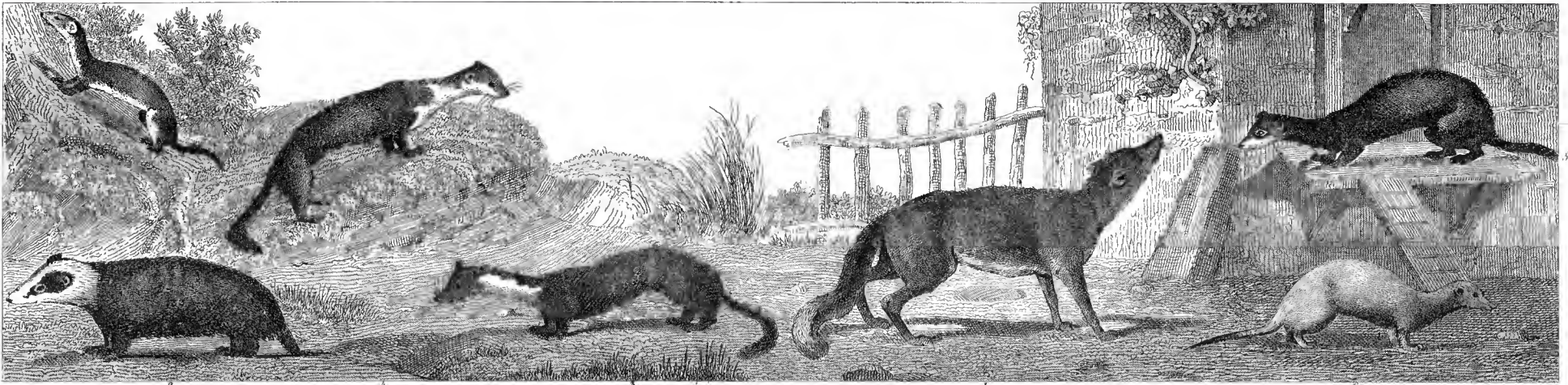
8

9

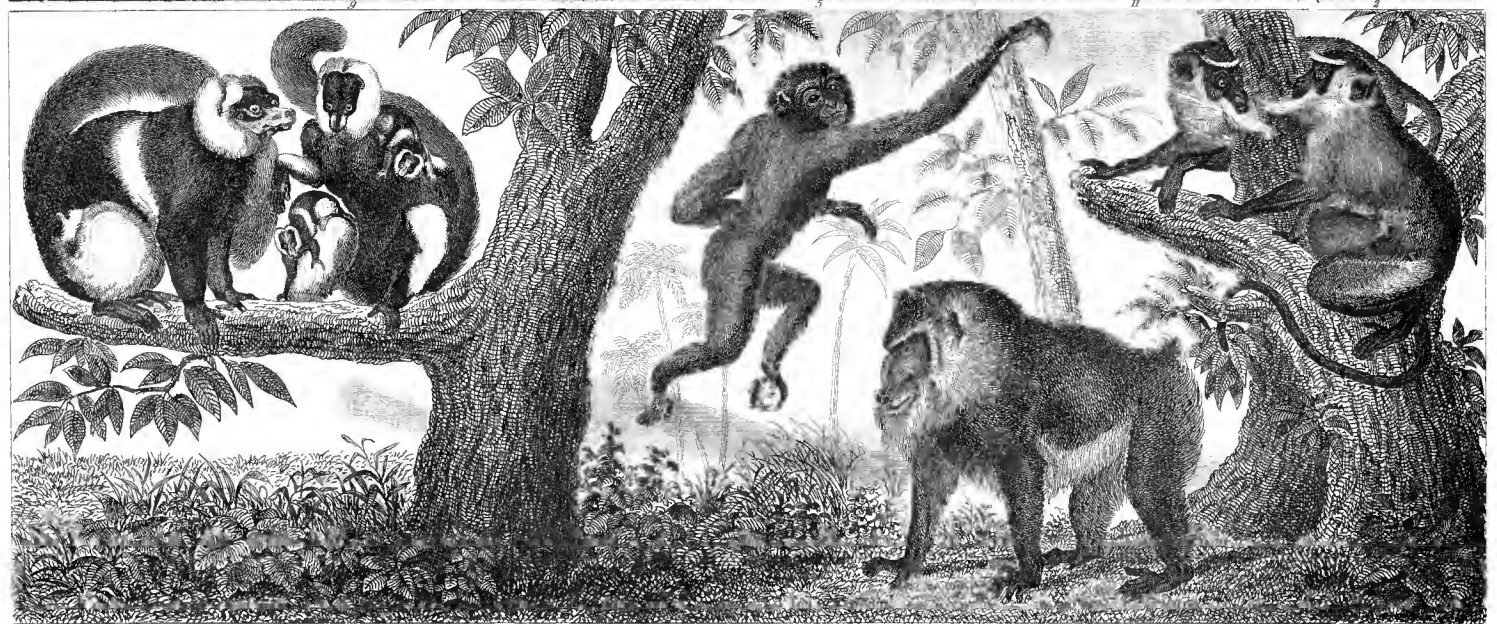
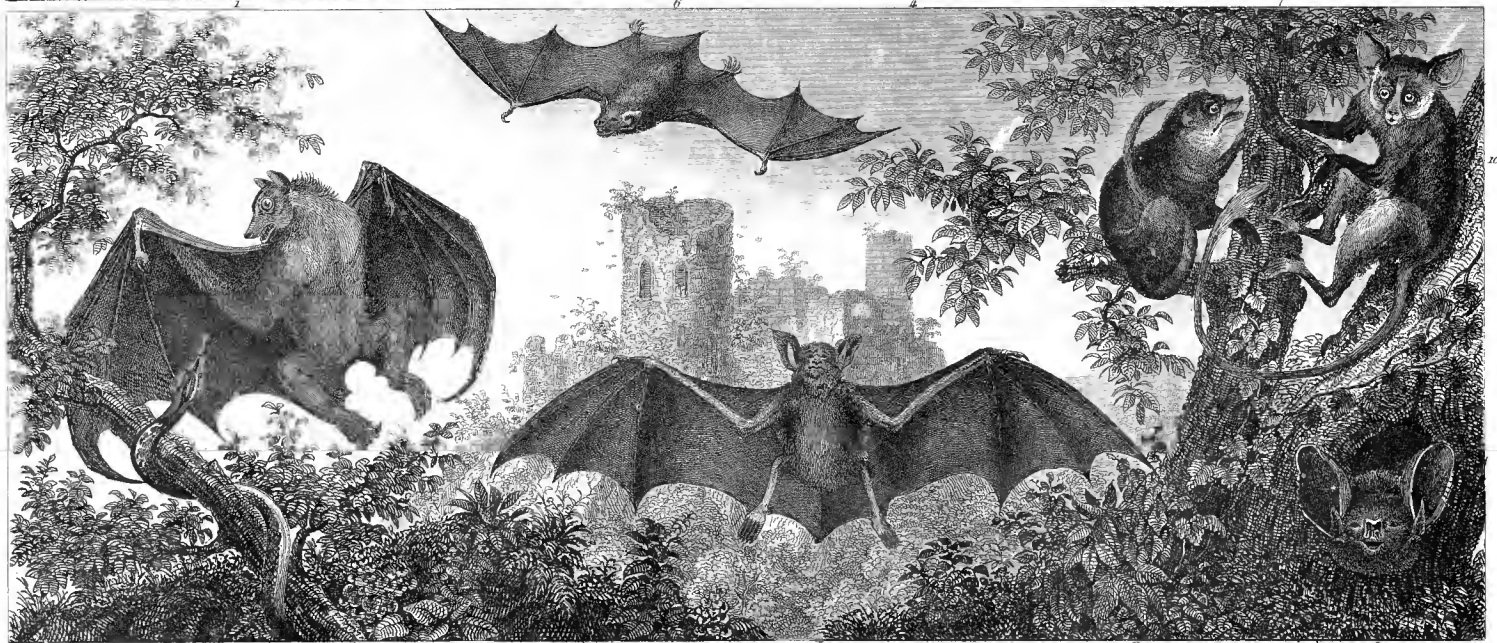
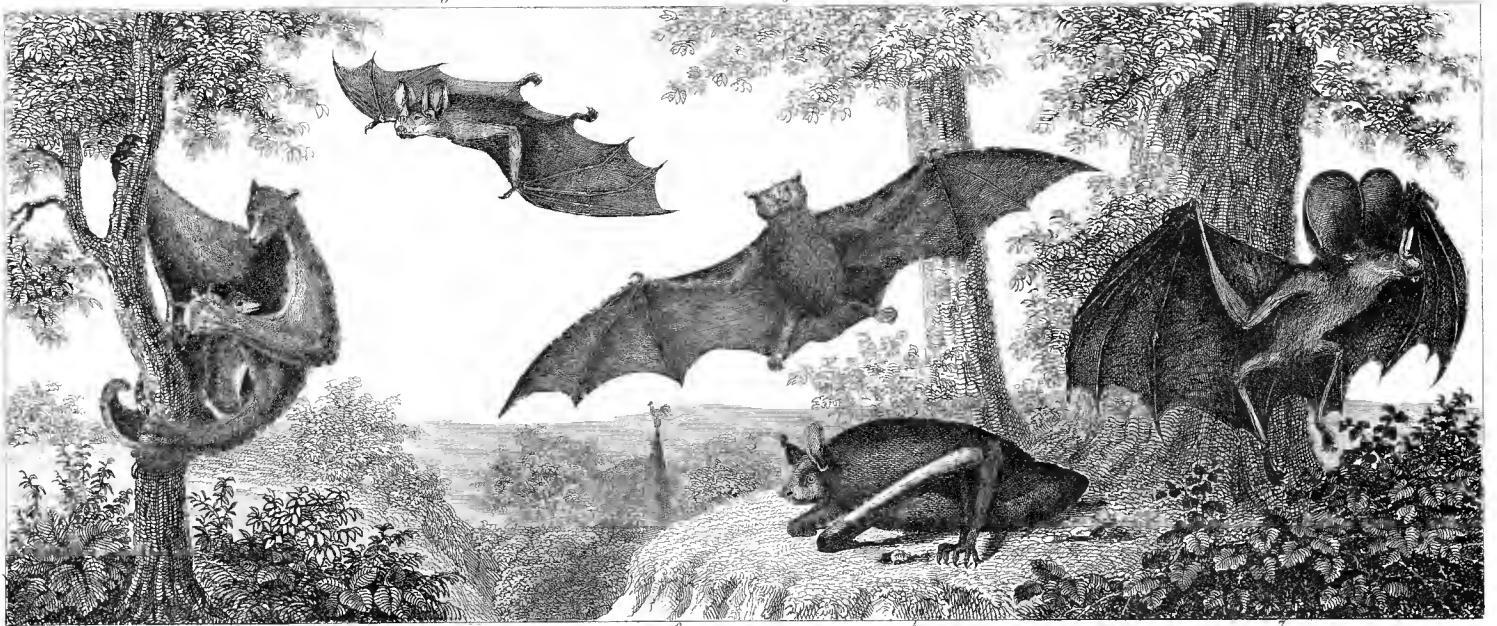




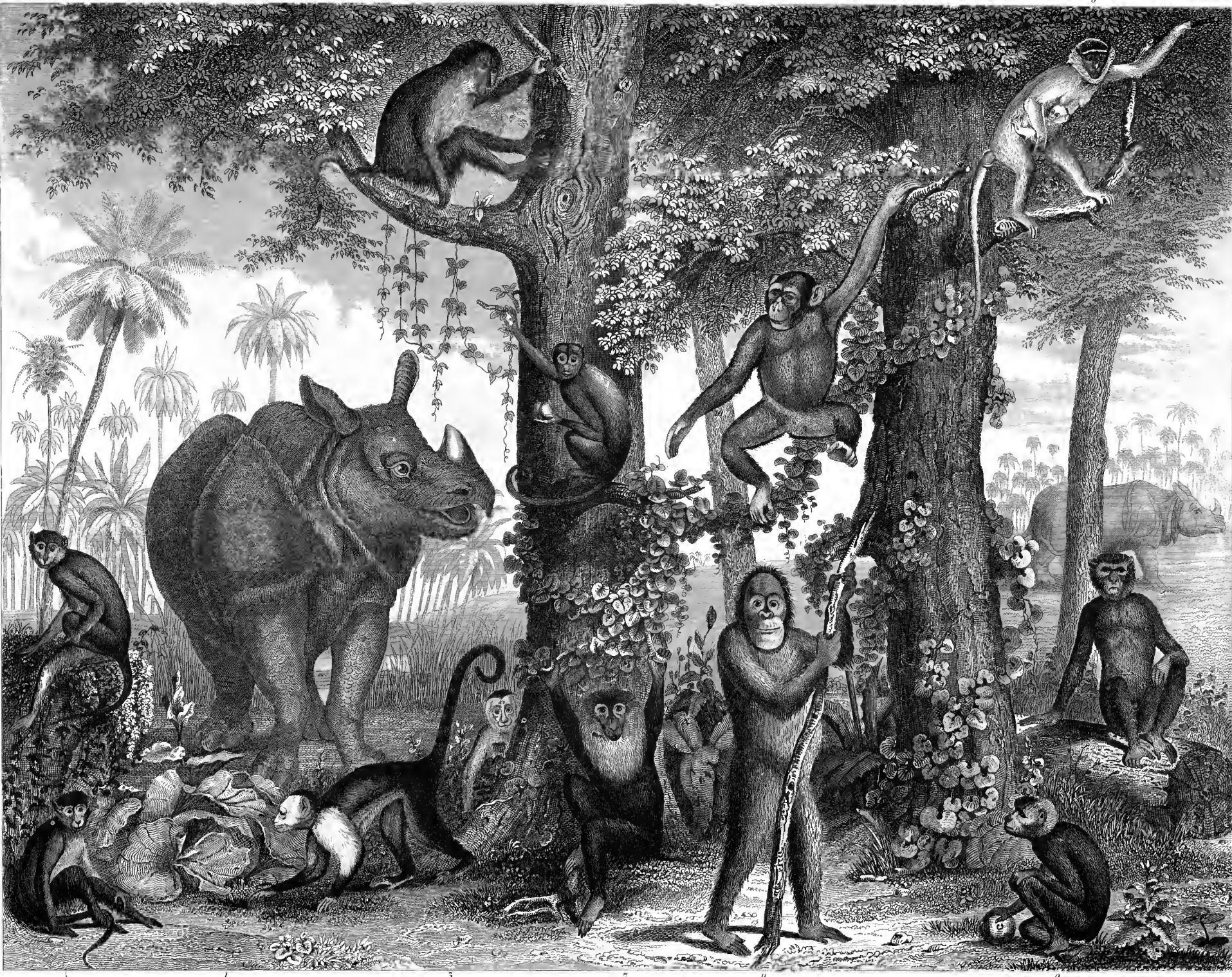
















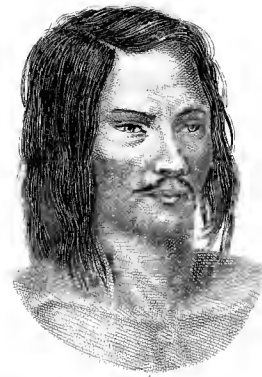
1



2



3



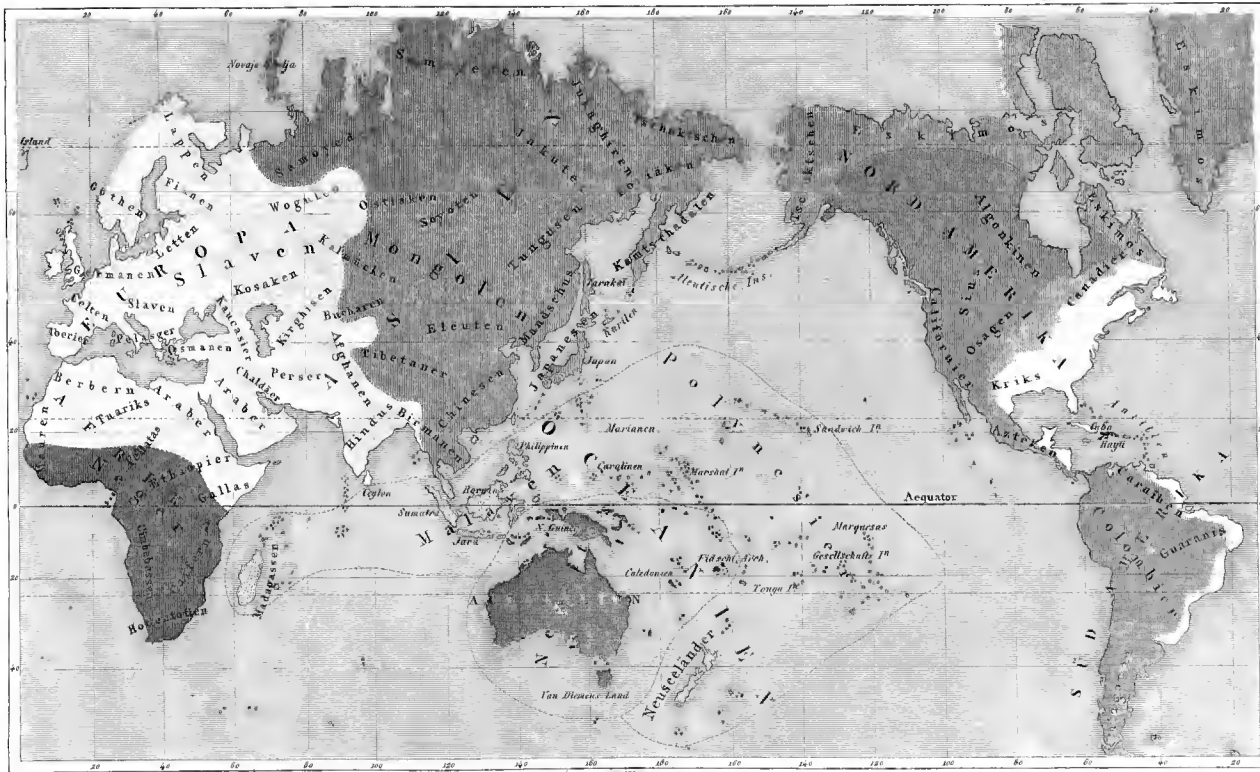
4



5



6



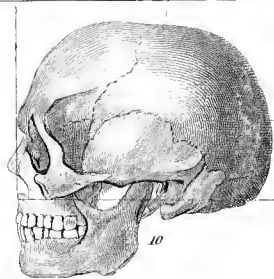
7



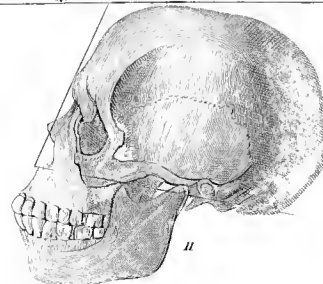
9



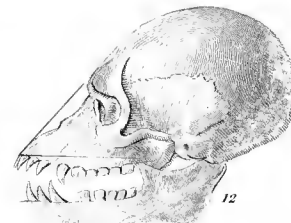
8



10



11



12

- I Kaukasische oder Weisse Race
- II Mongolische oder Gelbe Race
- III Aethiopische oder Schwarze Race
- IV Amerikanische oder Kupferfarbige Race
- V Malayische oder Olivenfarbige Race



F 1 bis 4 Grundzüge (Typus) der Kaukasischen Race  
 Figur 5. Grundzüge der Mongolischen Race  
 Figur 6. Grundzüge der Aethiopischen Race  
 F. 7 & 8 Grundzüge der Kupferfarbigen Race  
 Figur 9. Grundzüge der Olivenfarbigen Race



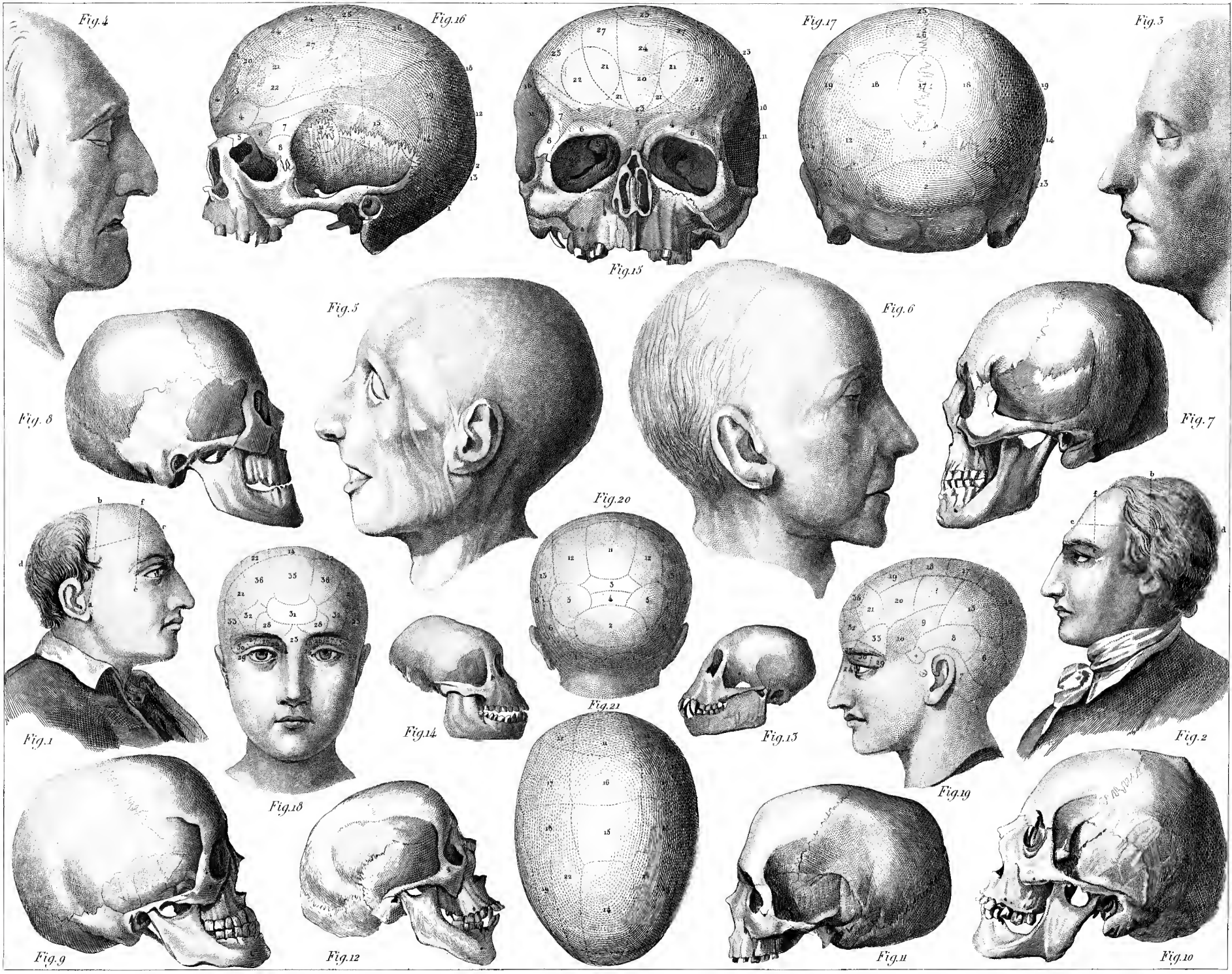


Fig. 4

Fig. 16

Fig. 17

Fig. 5

Fig. 3

Fig. 6

Fig. 8

Fig. 7

Fig. 20

Fig. 1

Fig. 2

Fig. 18

Fig. 21

Fig. 14

Fig. 15

Fig. 19

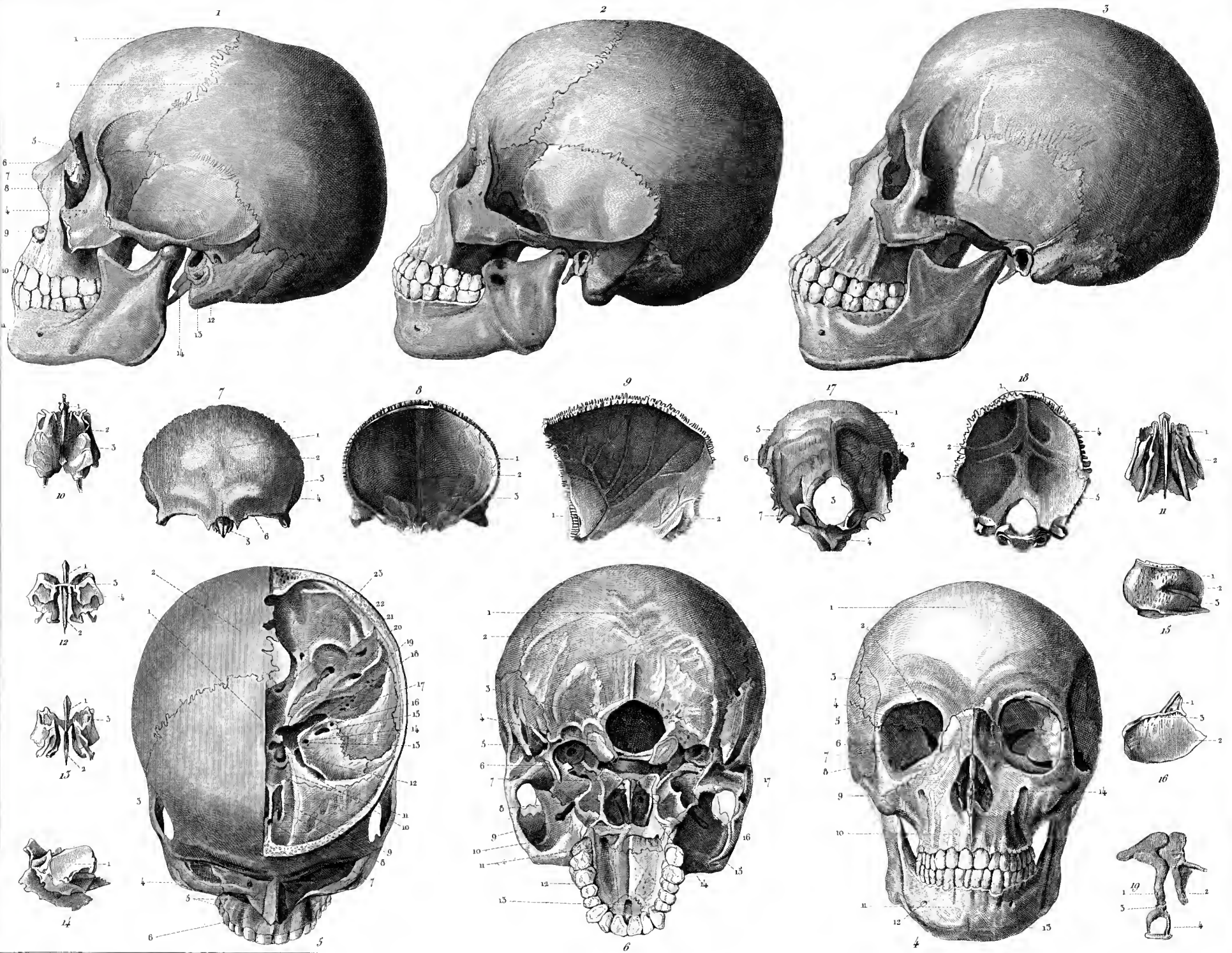
Fig. 9

Fig. 12

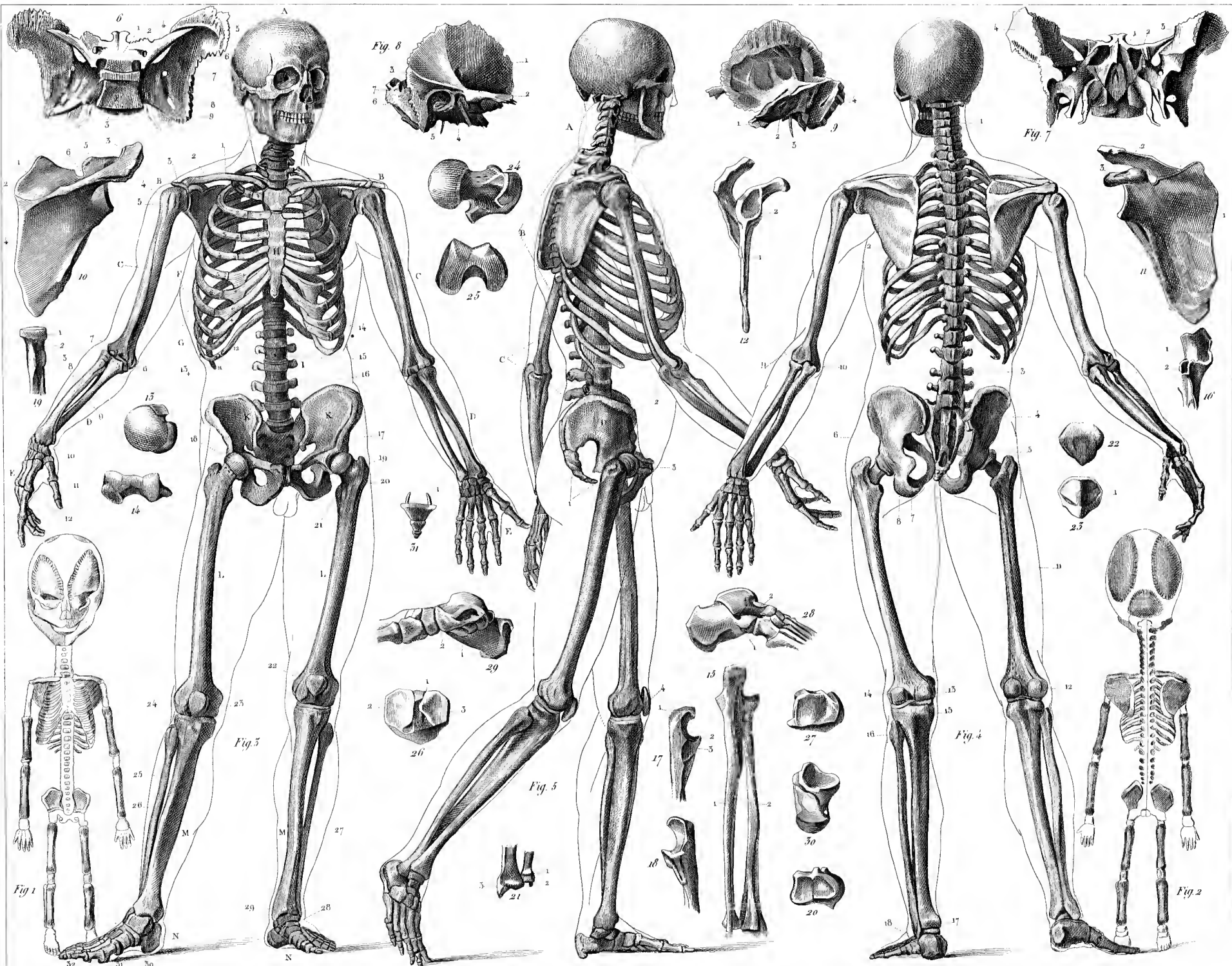
Fig. 11

Fig. 10

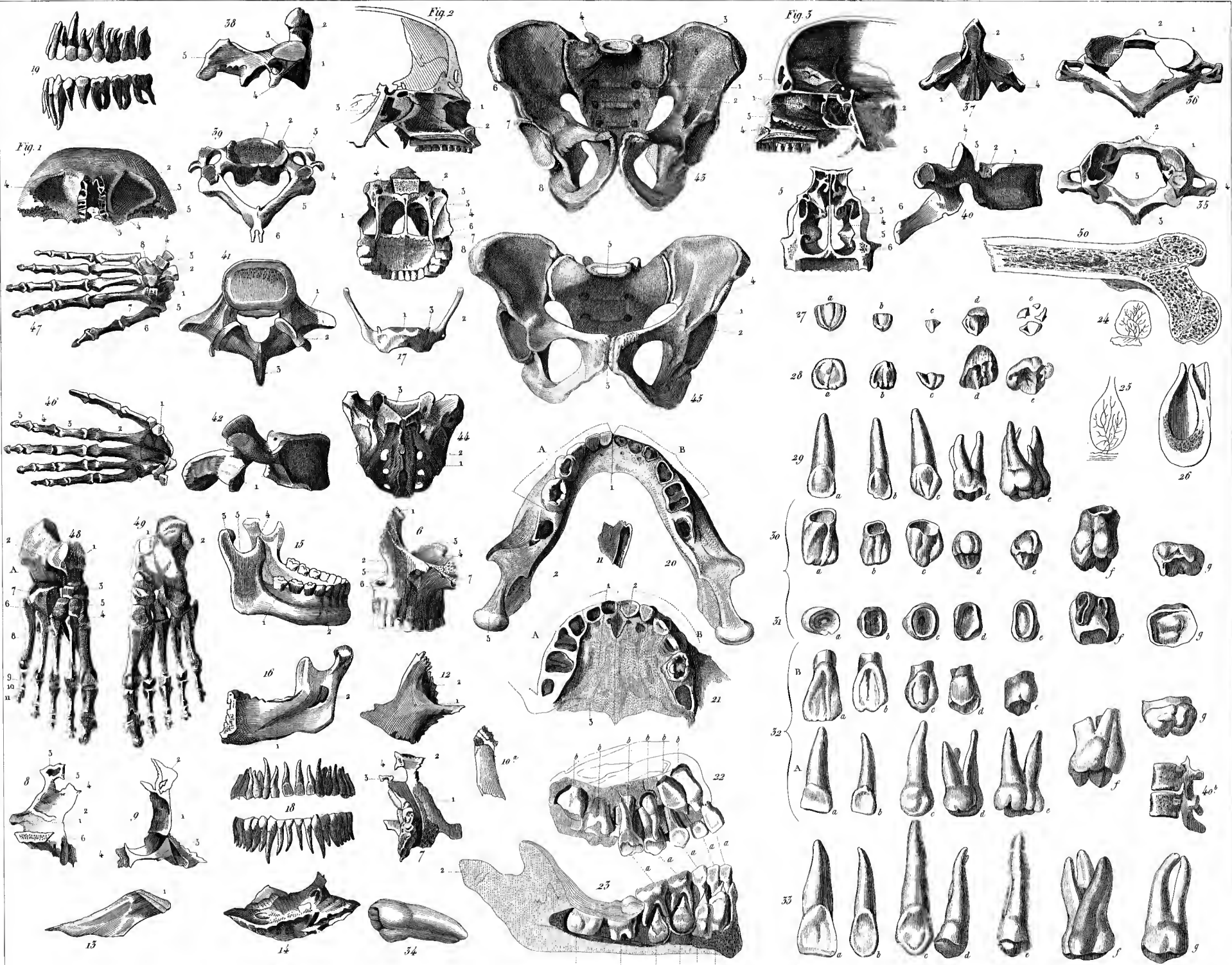














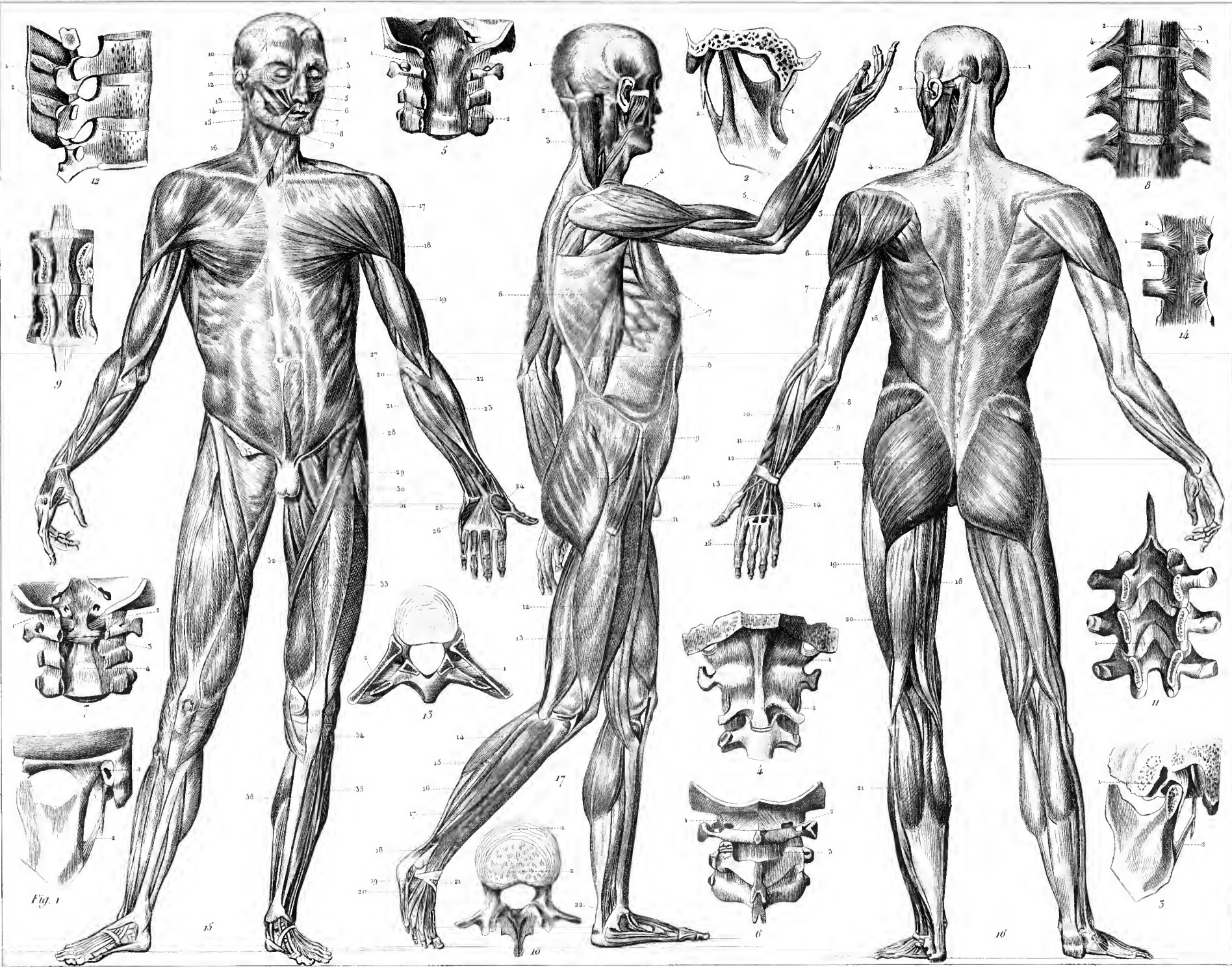
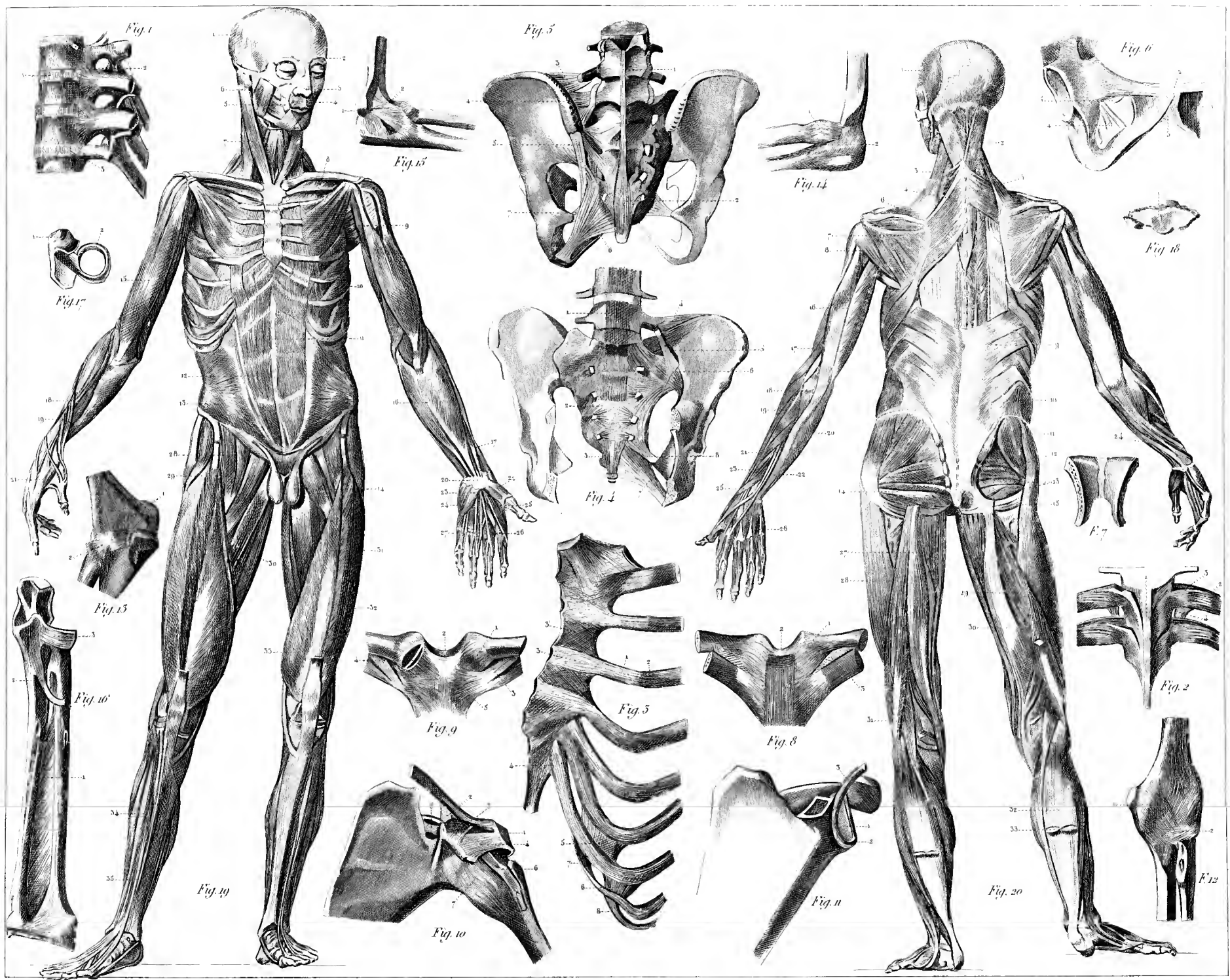
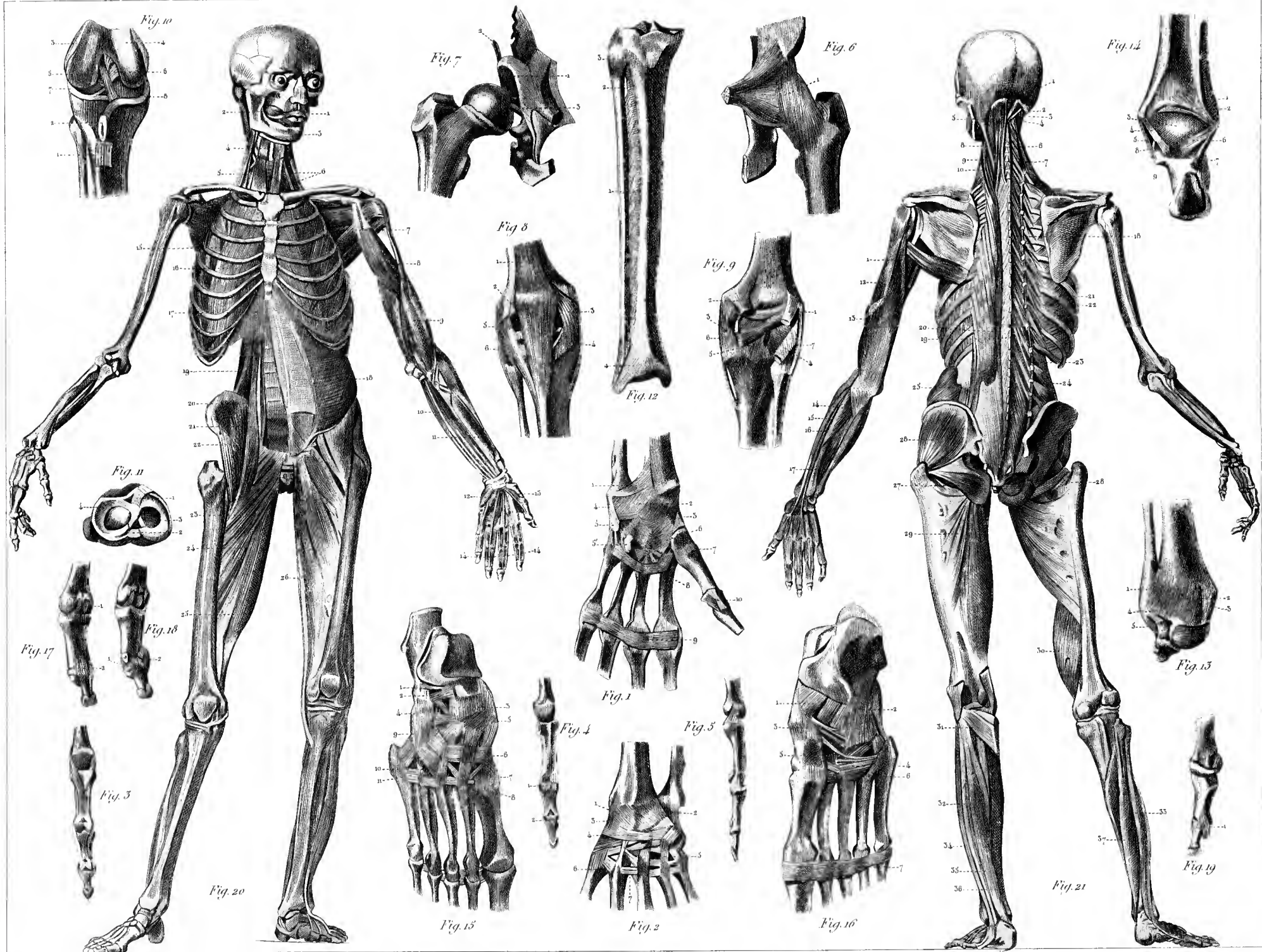


Fig. 1











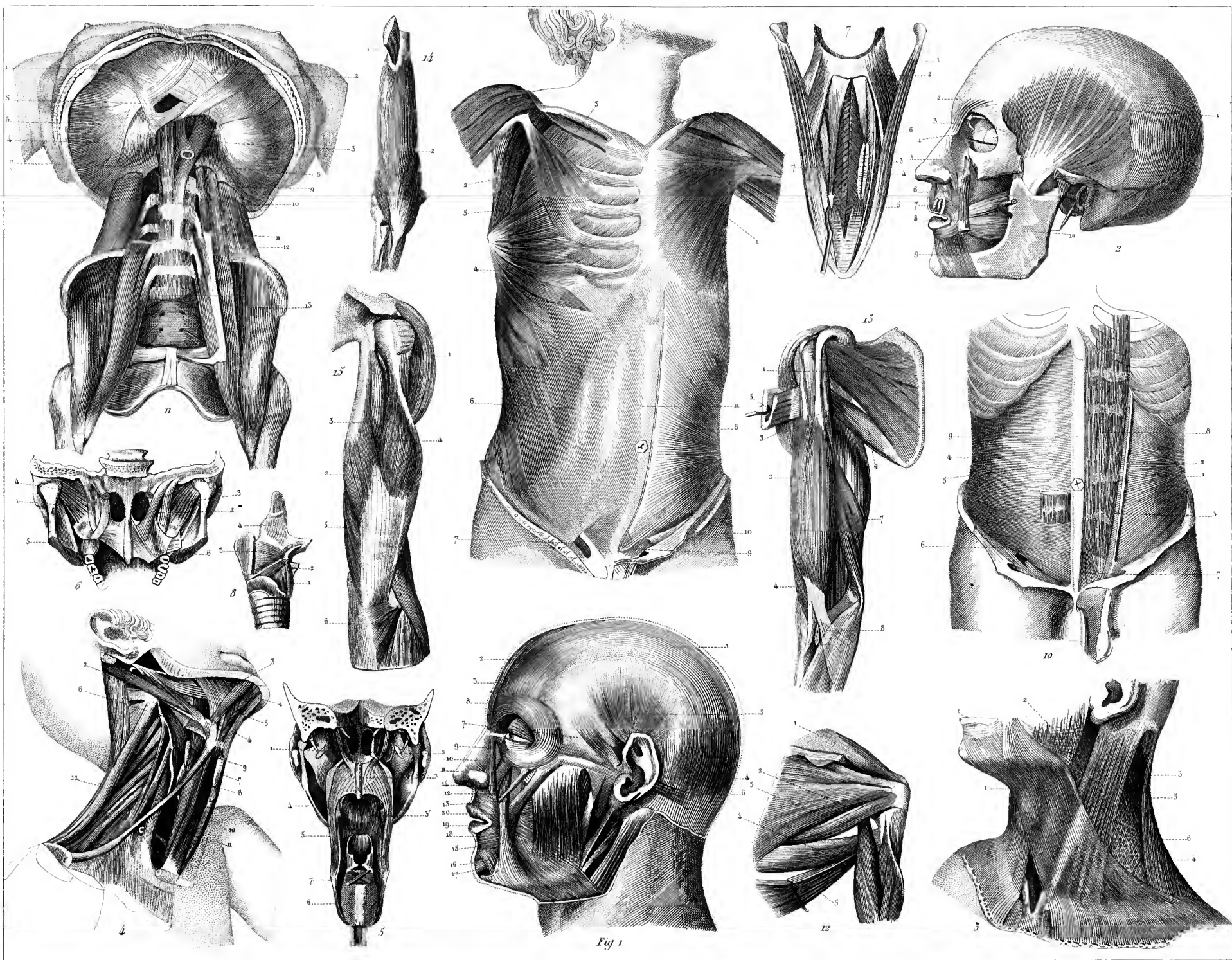
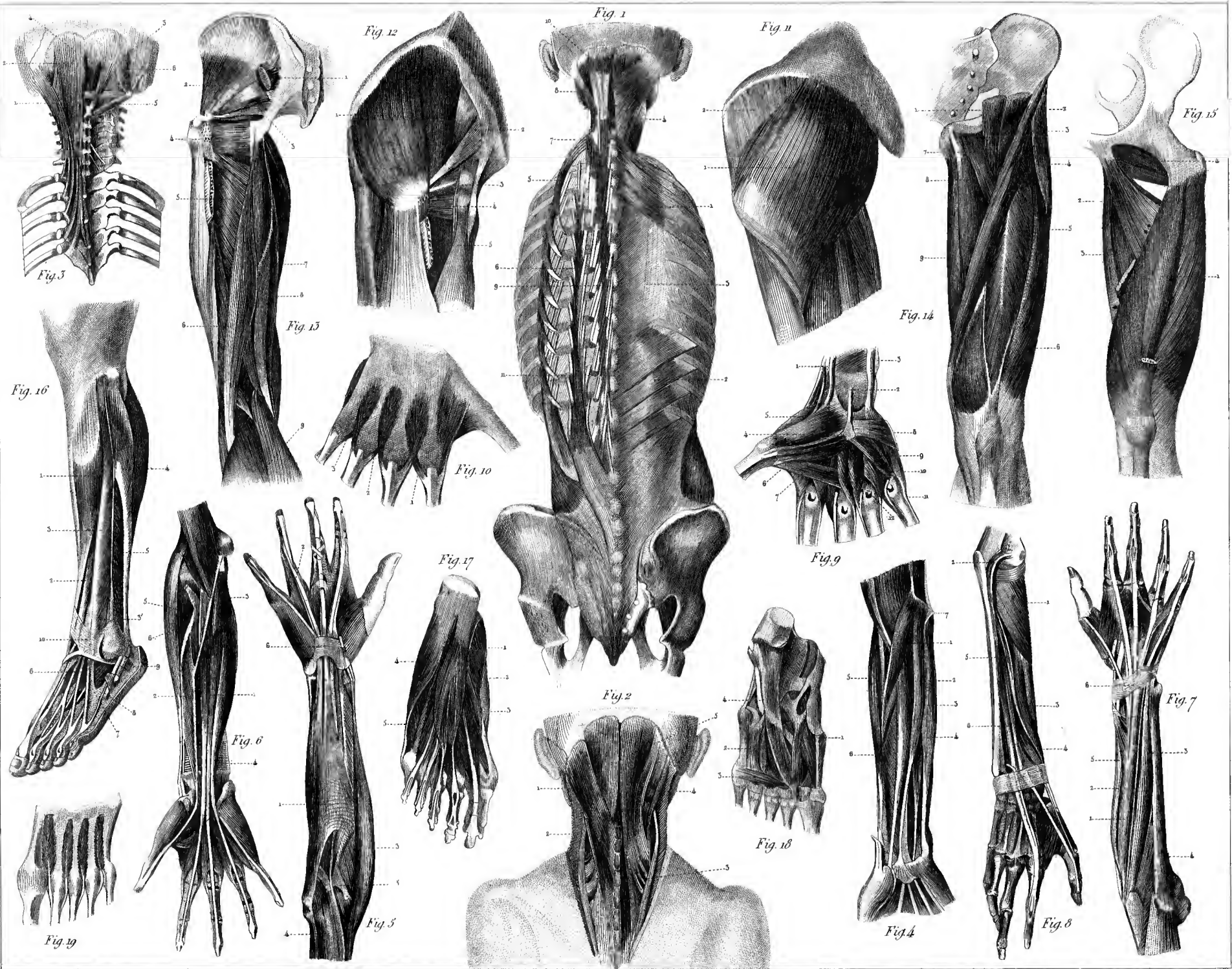
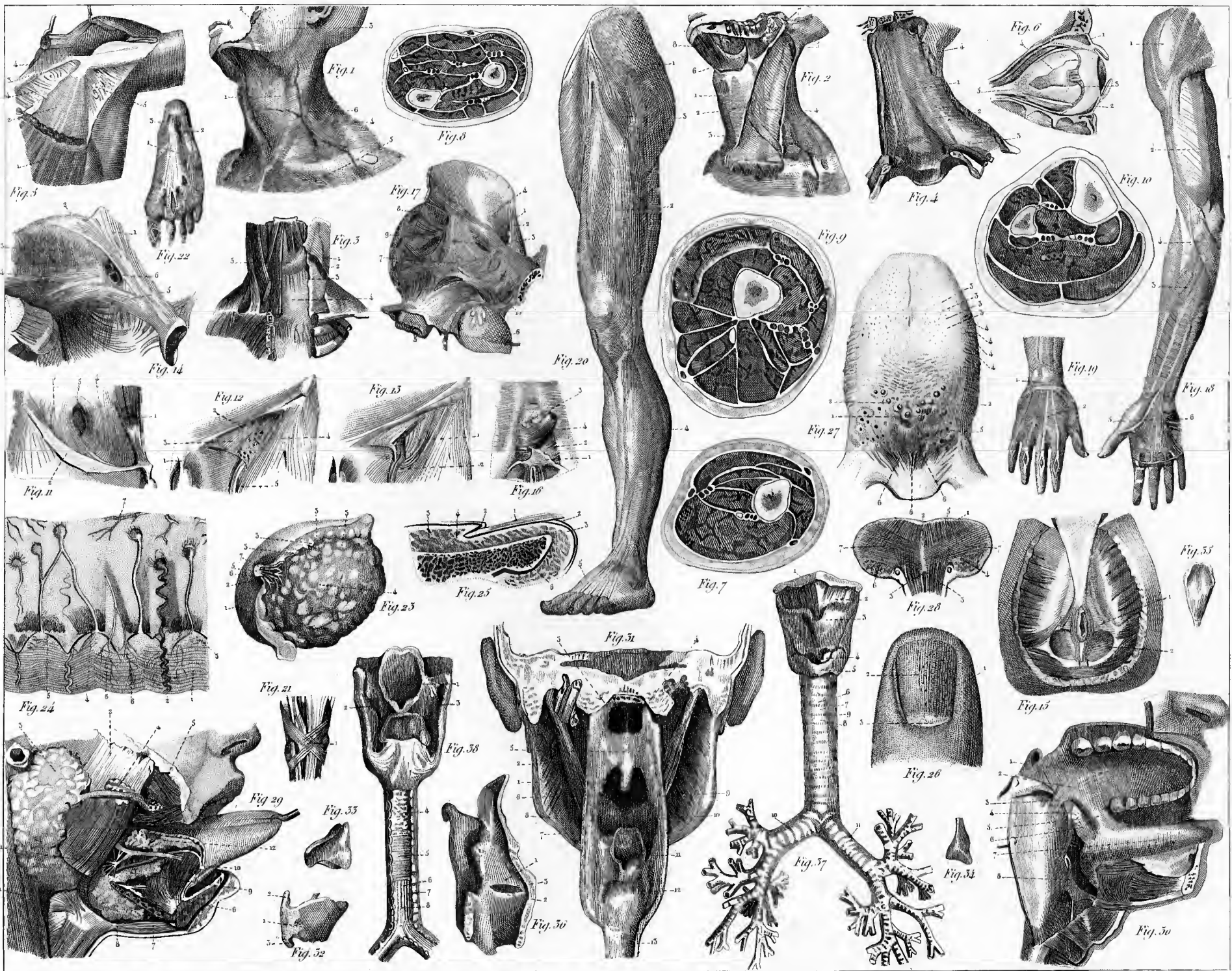


Fig. 1

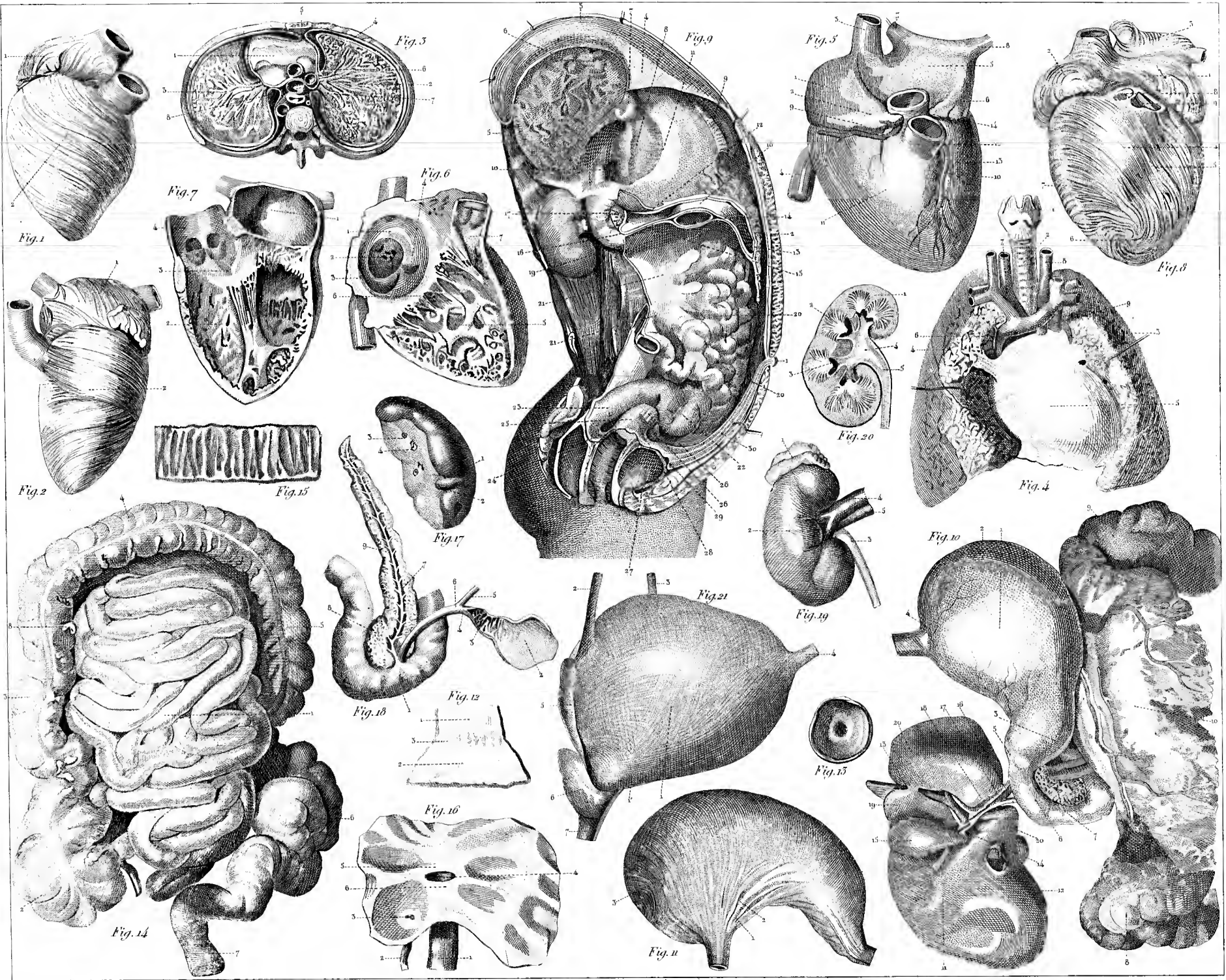




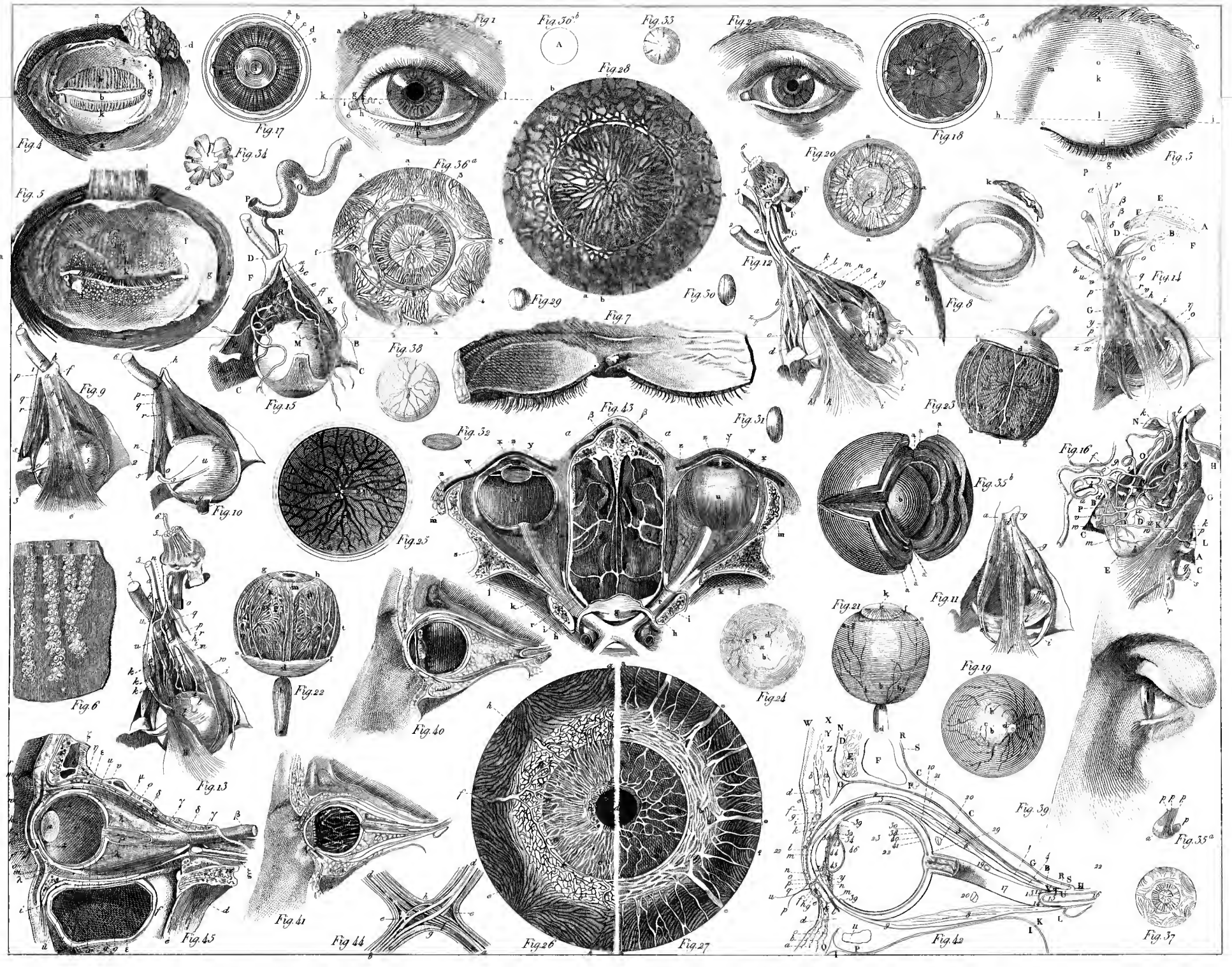




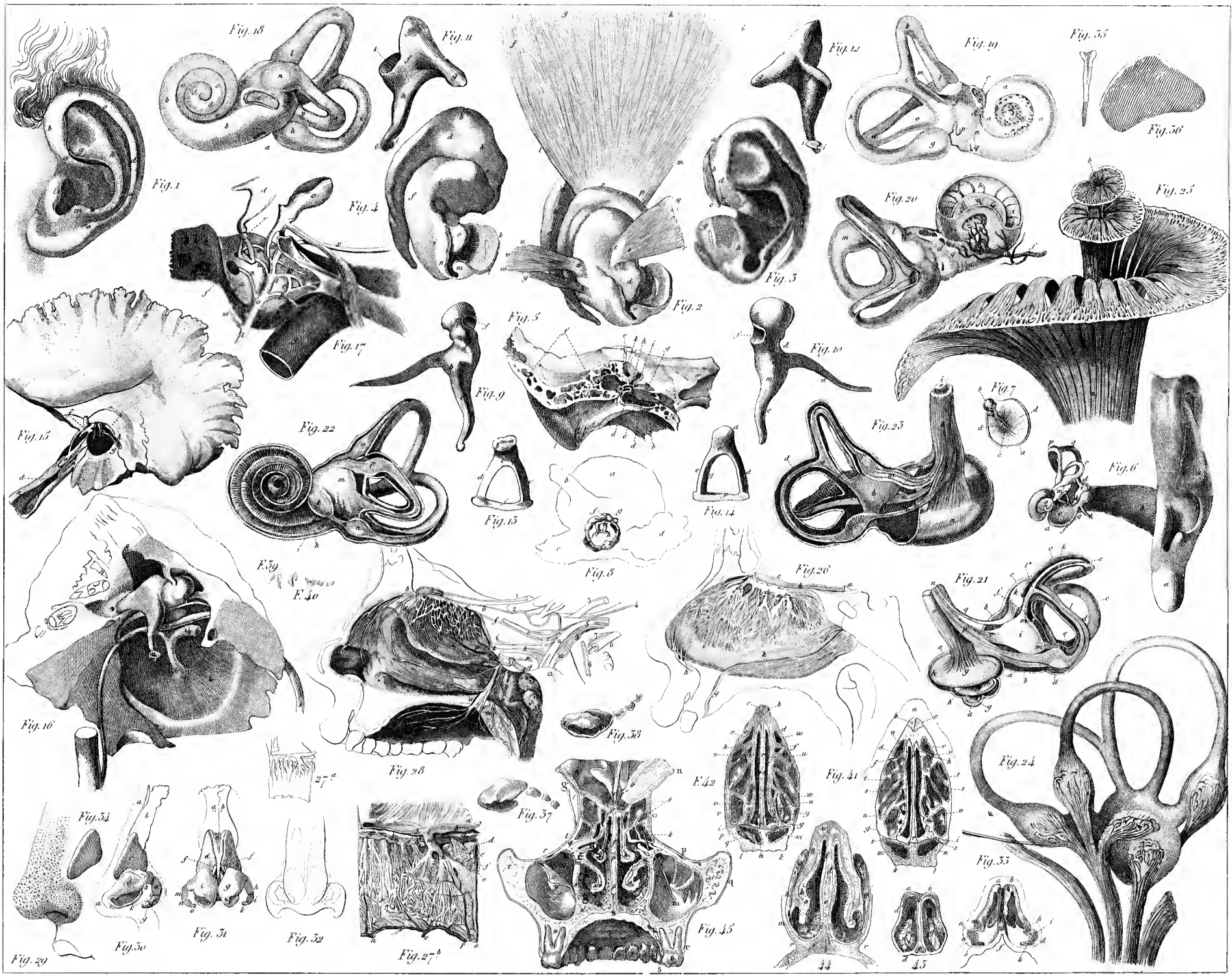




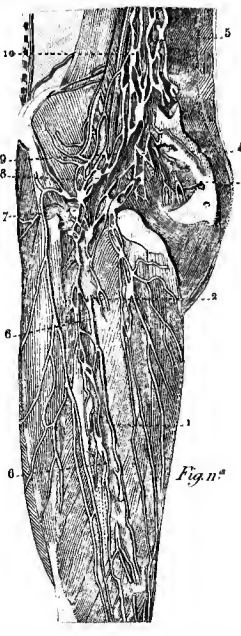
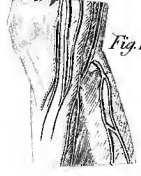
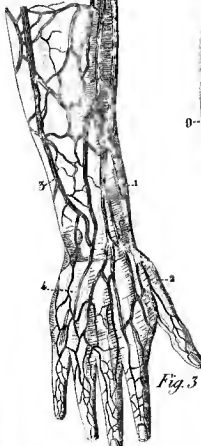
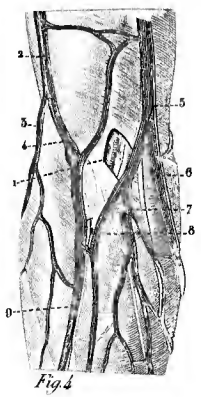
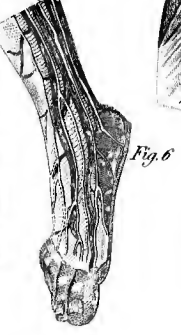
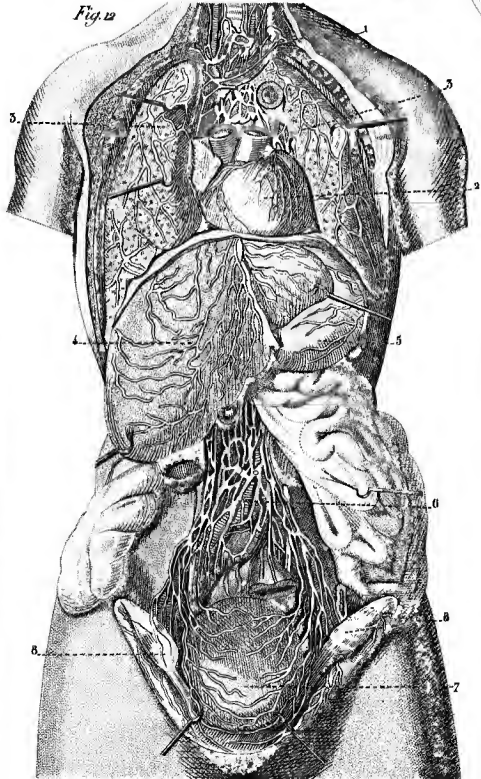
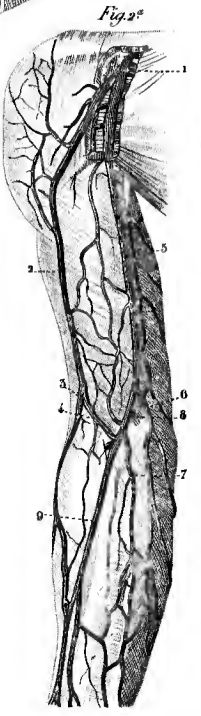
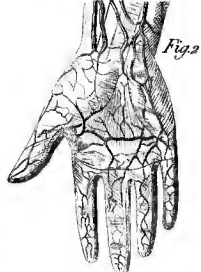
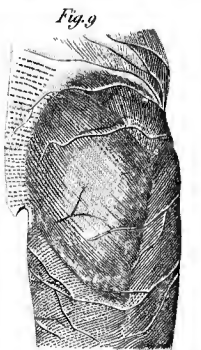
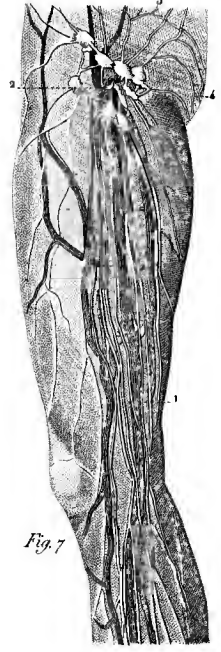
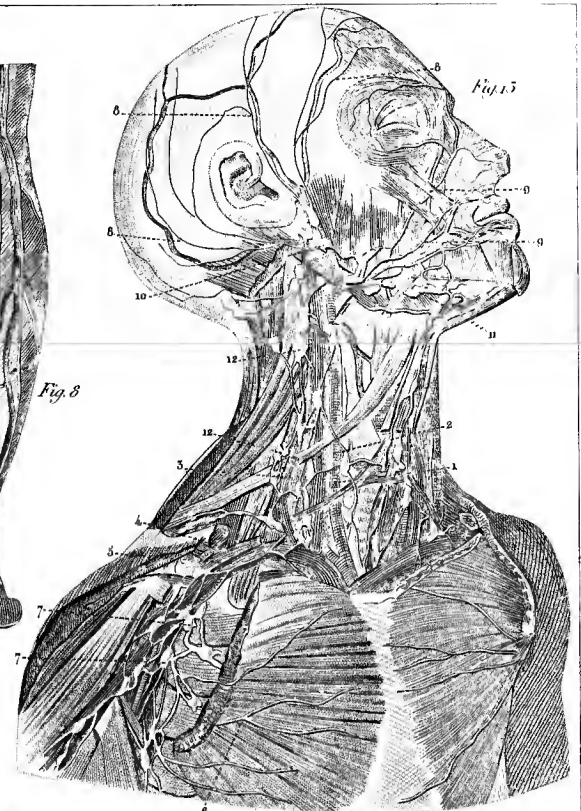
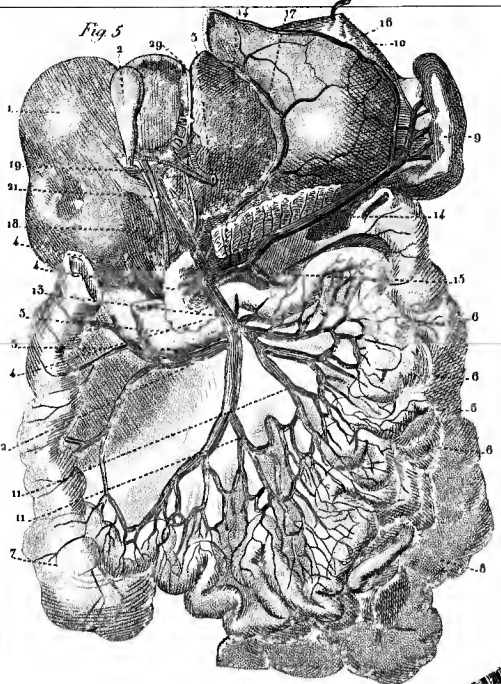
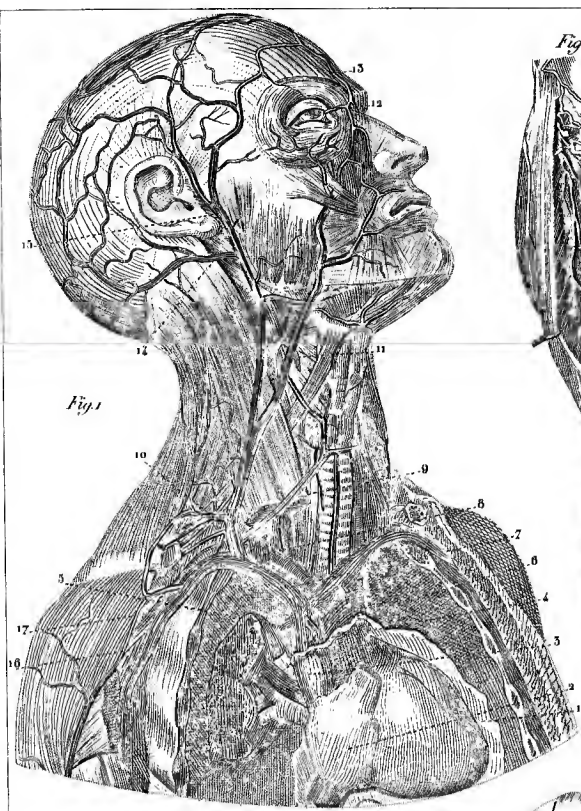














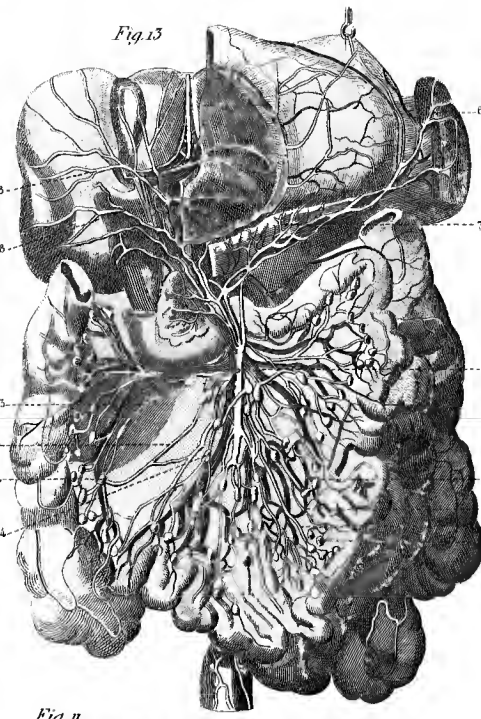


Fig. 13

Fig. 11



Fig. 10

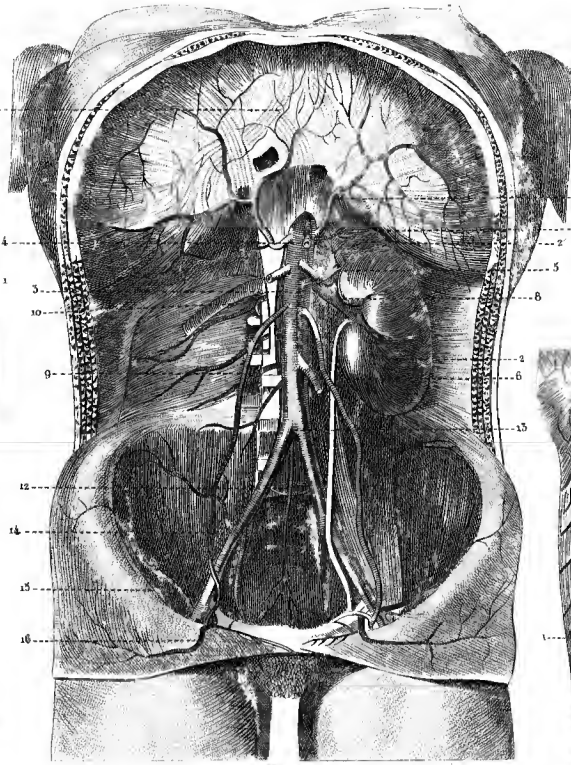


Fig. 4

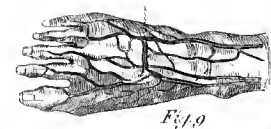


Fig. 9

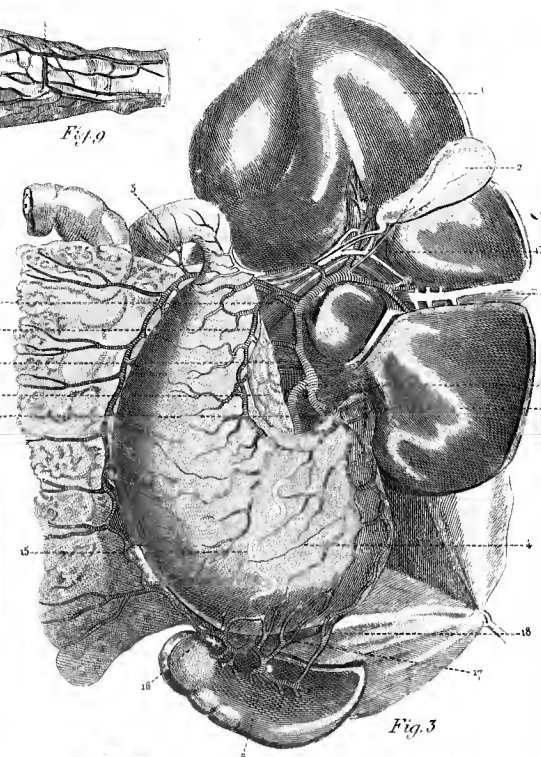


Fig. 3

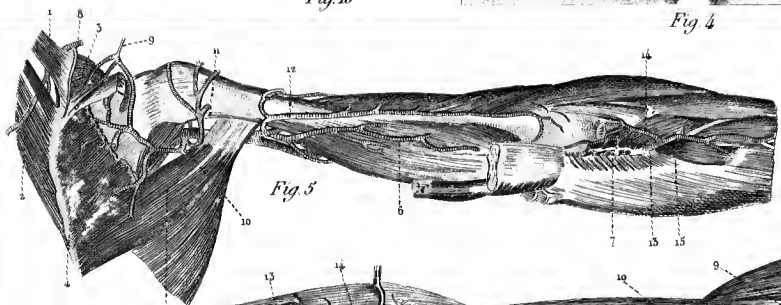
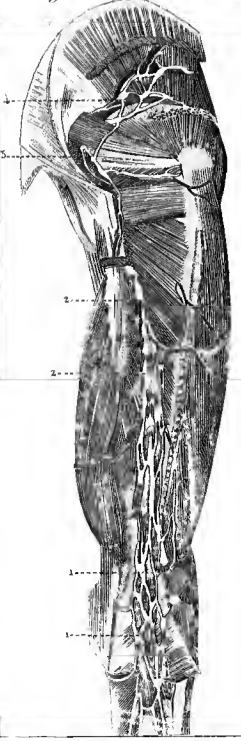


Fig. 5

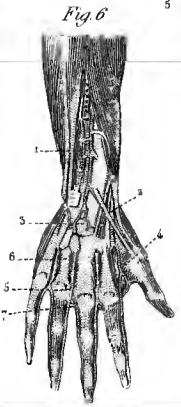


Fig. 6

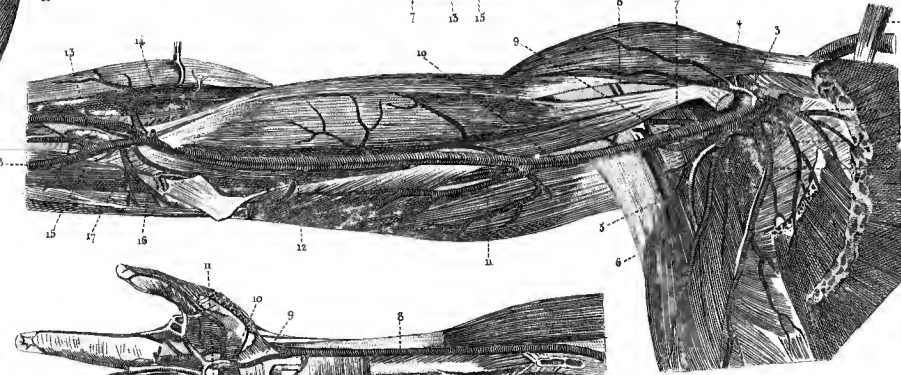


Fig. 1

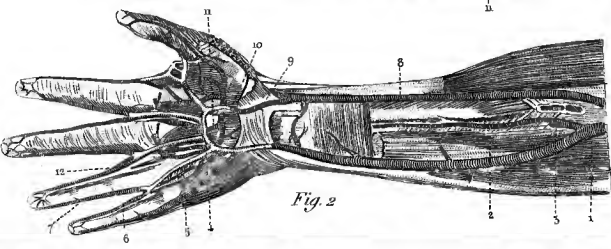


Fig. 2

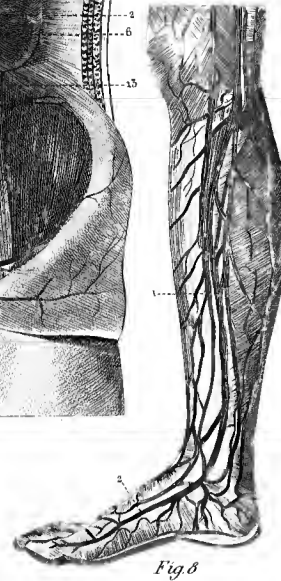


Fig. 8

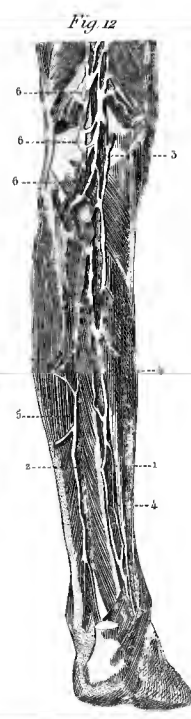


Fig. 12

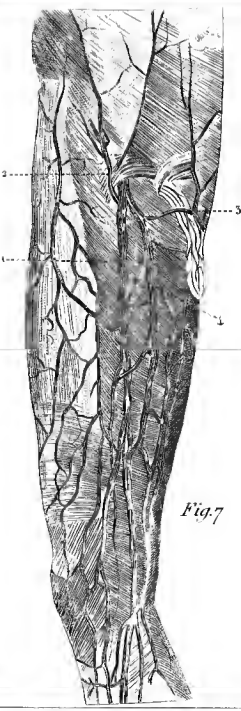
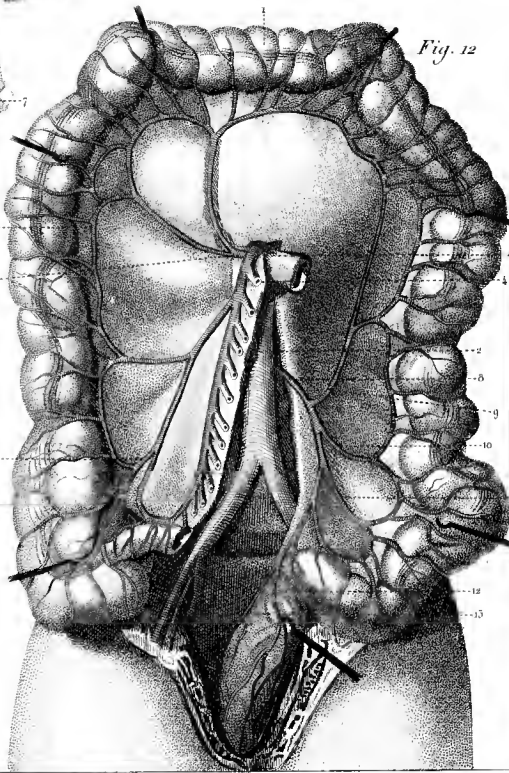
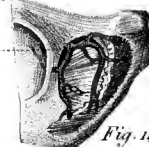
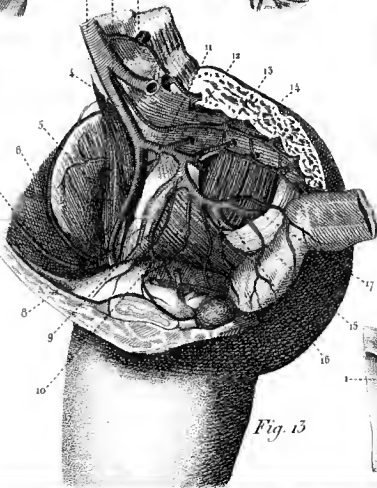
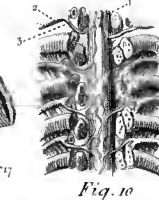
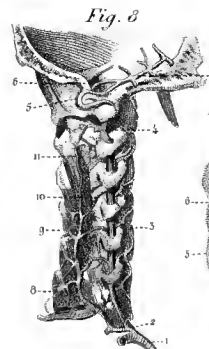
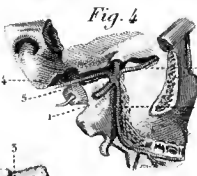
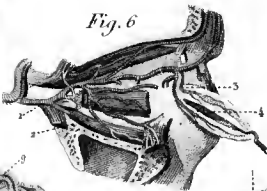
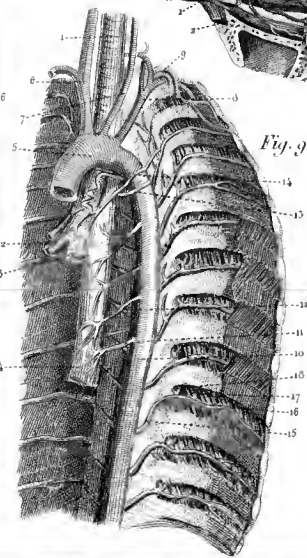
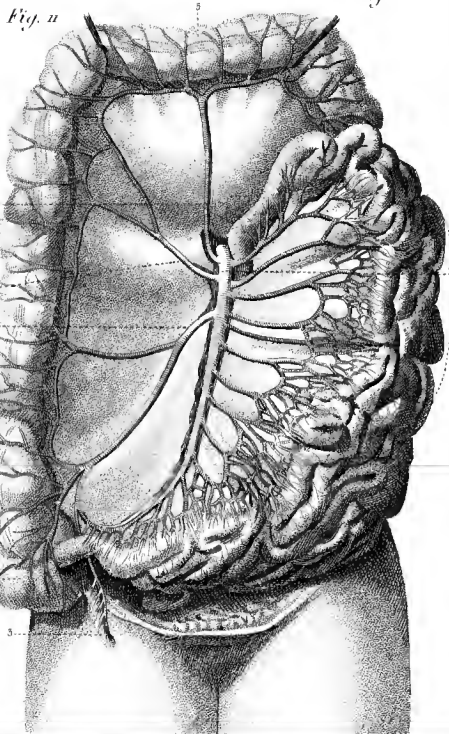
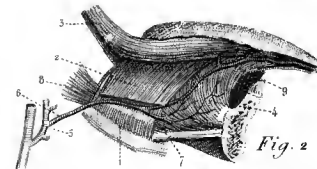
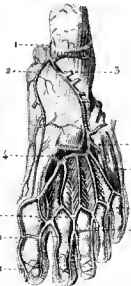
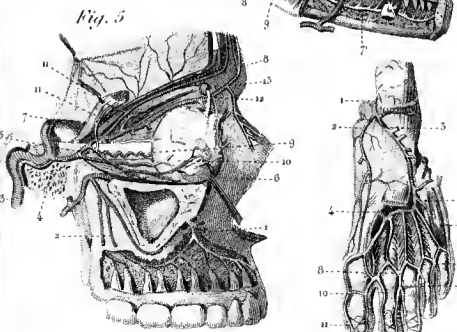
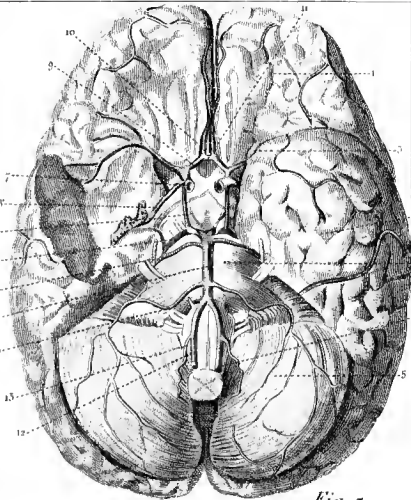
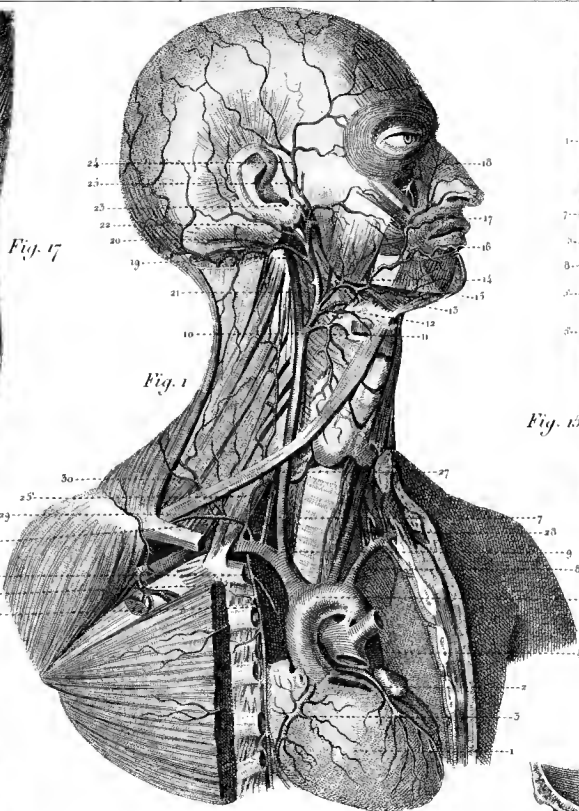
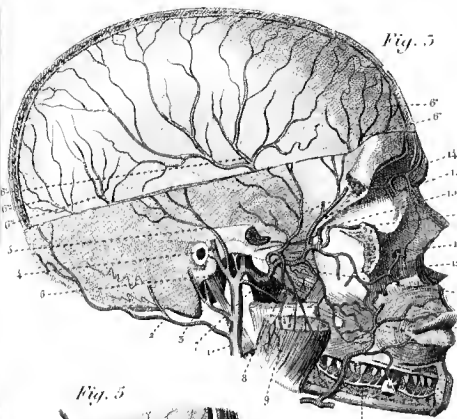


Fig. 7







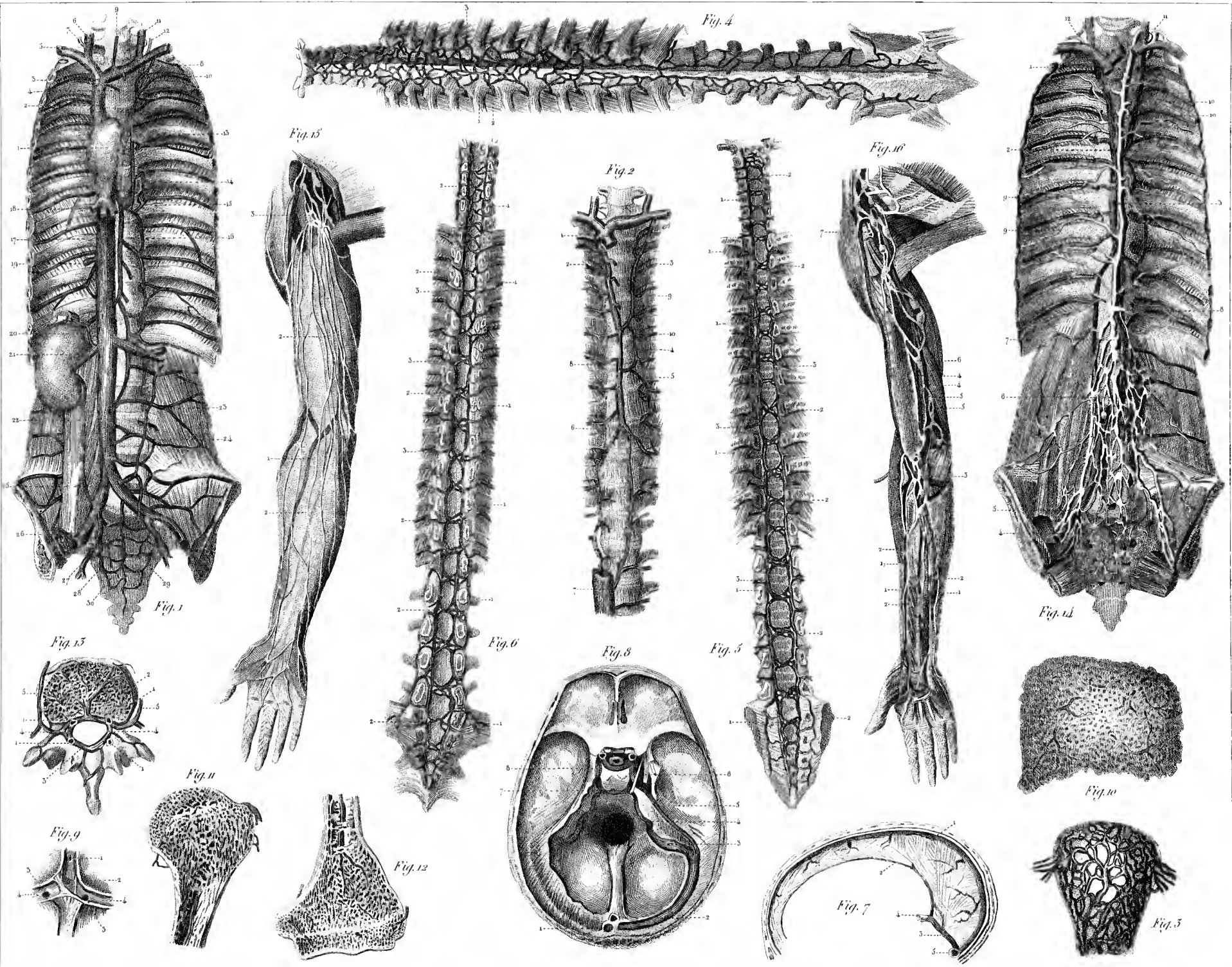


Fig. 4

Fig. 15

Fig. 2

Fig. 16

Fig. 1

Fig. 14

Fig. 13

Fig. 6

Fig. 8

Fig. 5

Fig. 11

Fig. 10

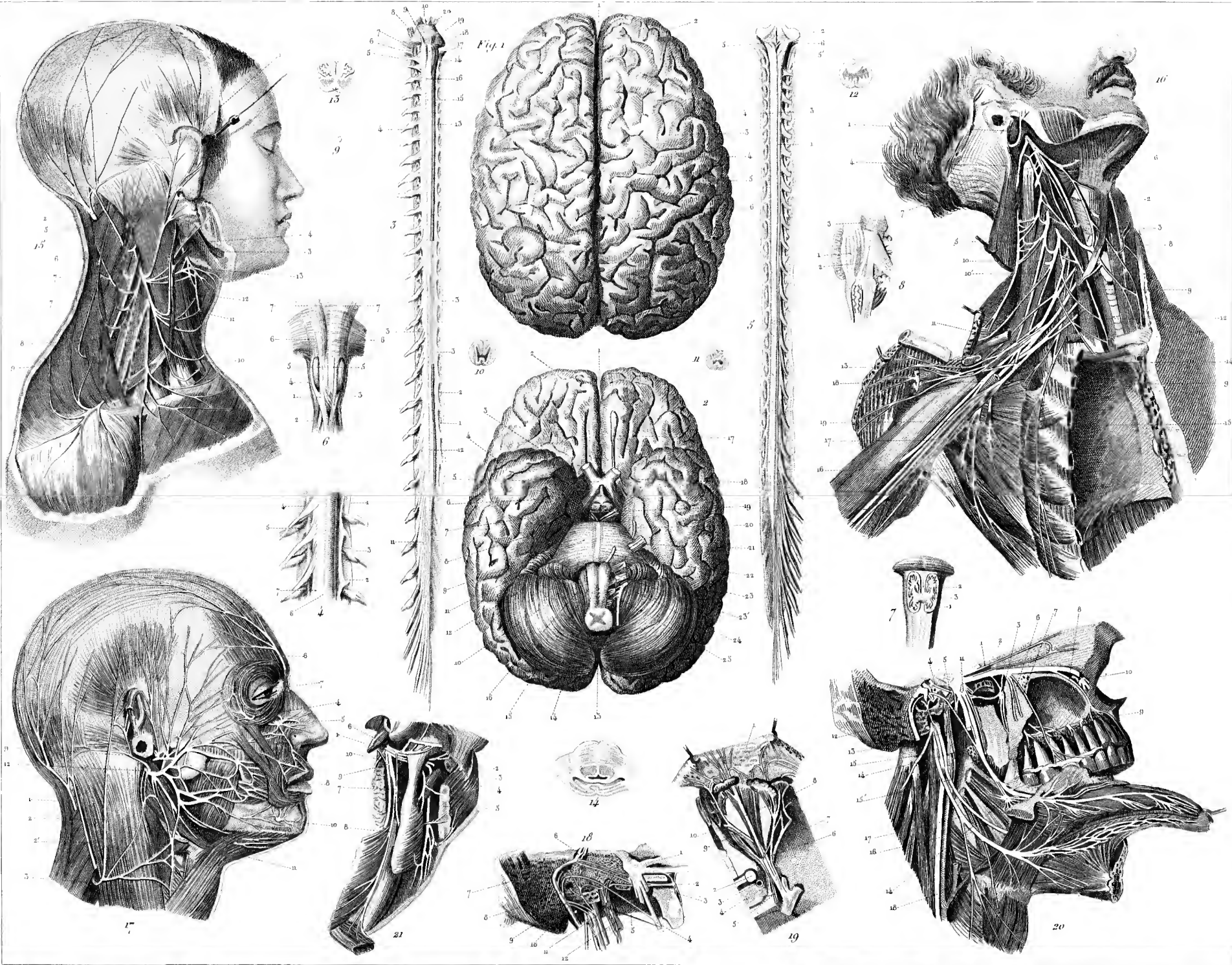
Fig. 9

Fig. 12

Fig. 7

Fig. 3







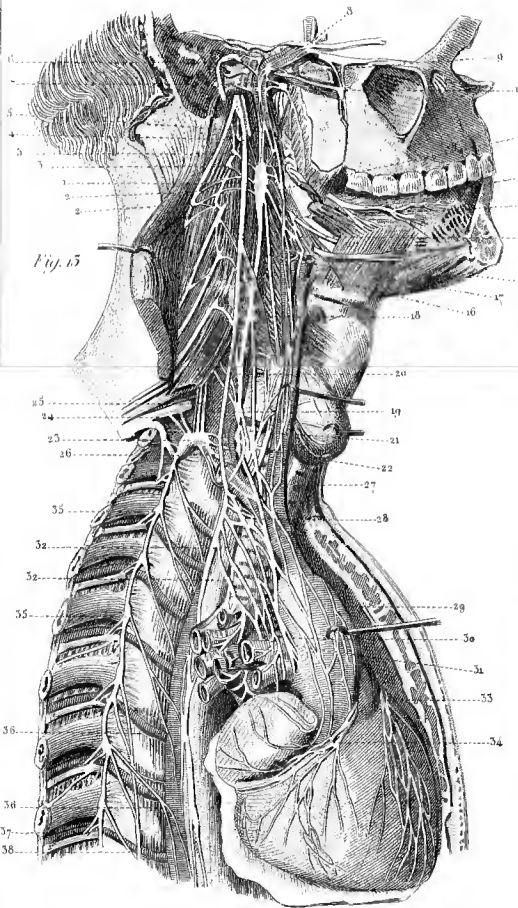


Fig. 13

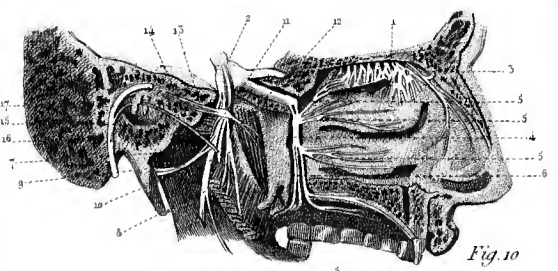


Fig. 10

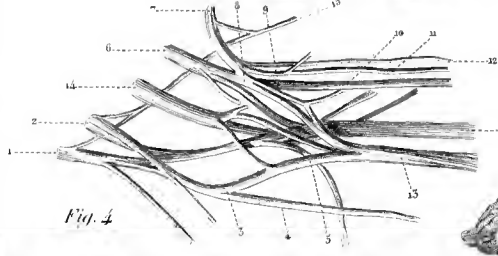


Fig. 4



Fig. 11

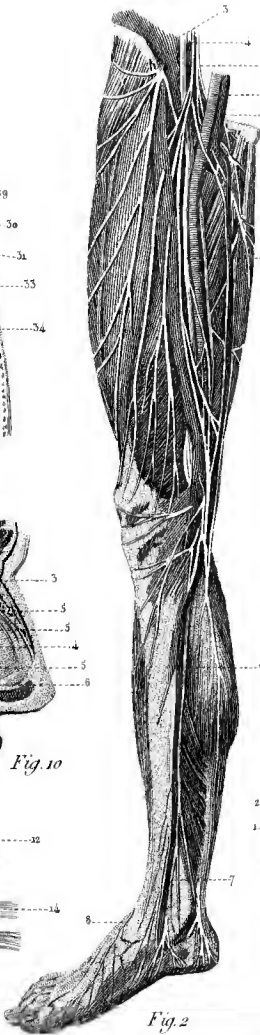


Fig. 2

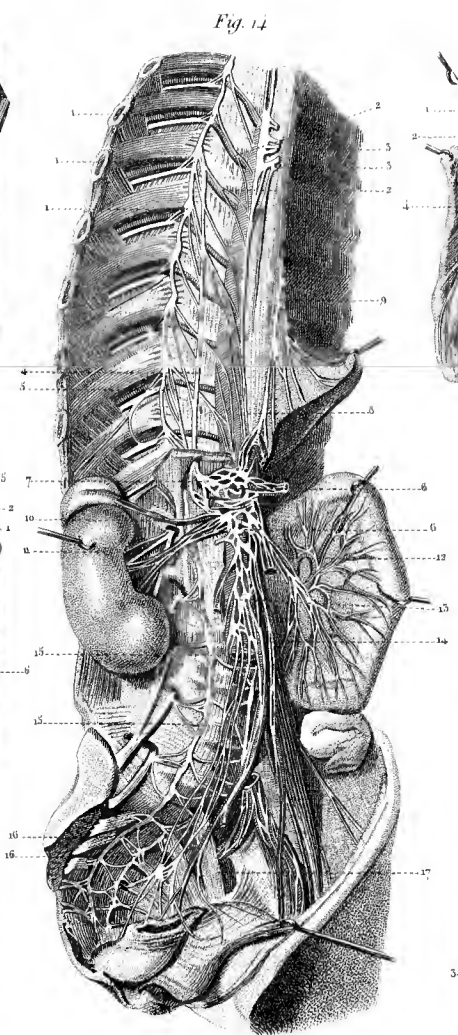


Fig. 14

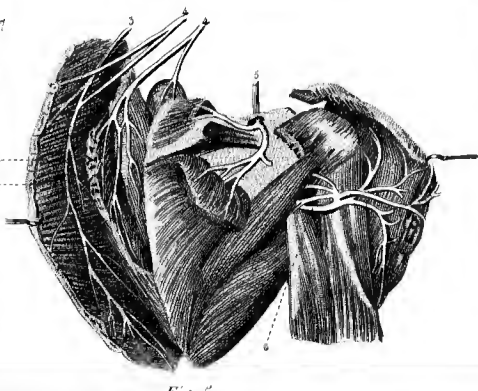


Fig. 5

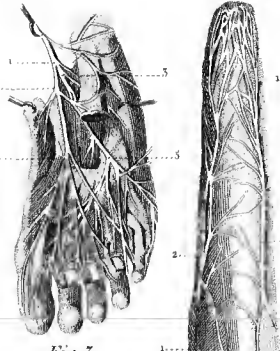


Fig. 3

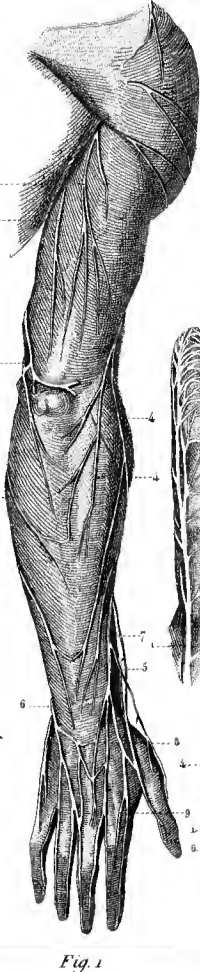


Fig. 1



Fig. 7

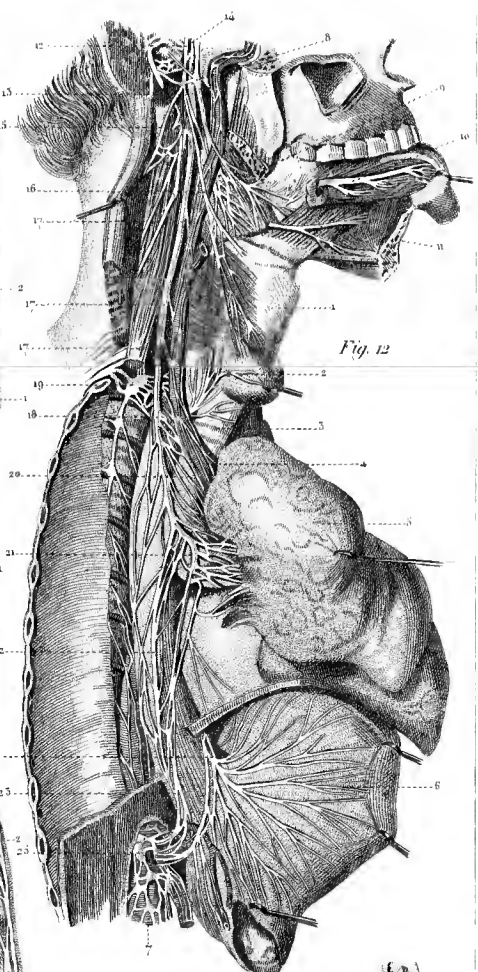


Fig. 12



Fig. 6

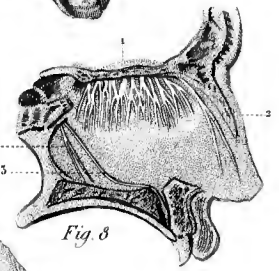


Fig. 8

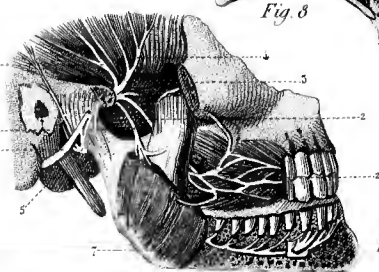
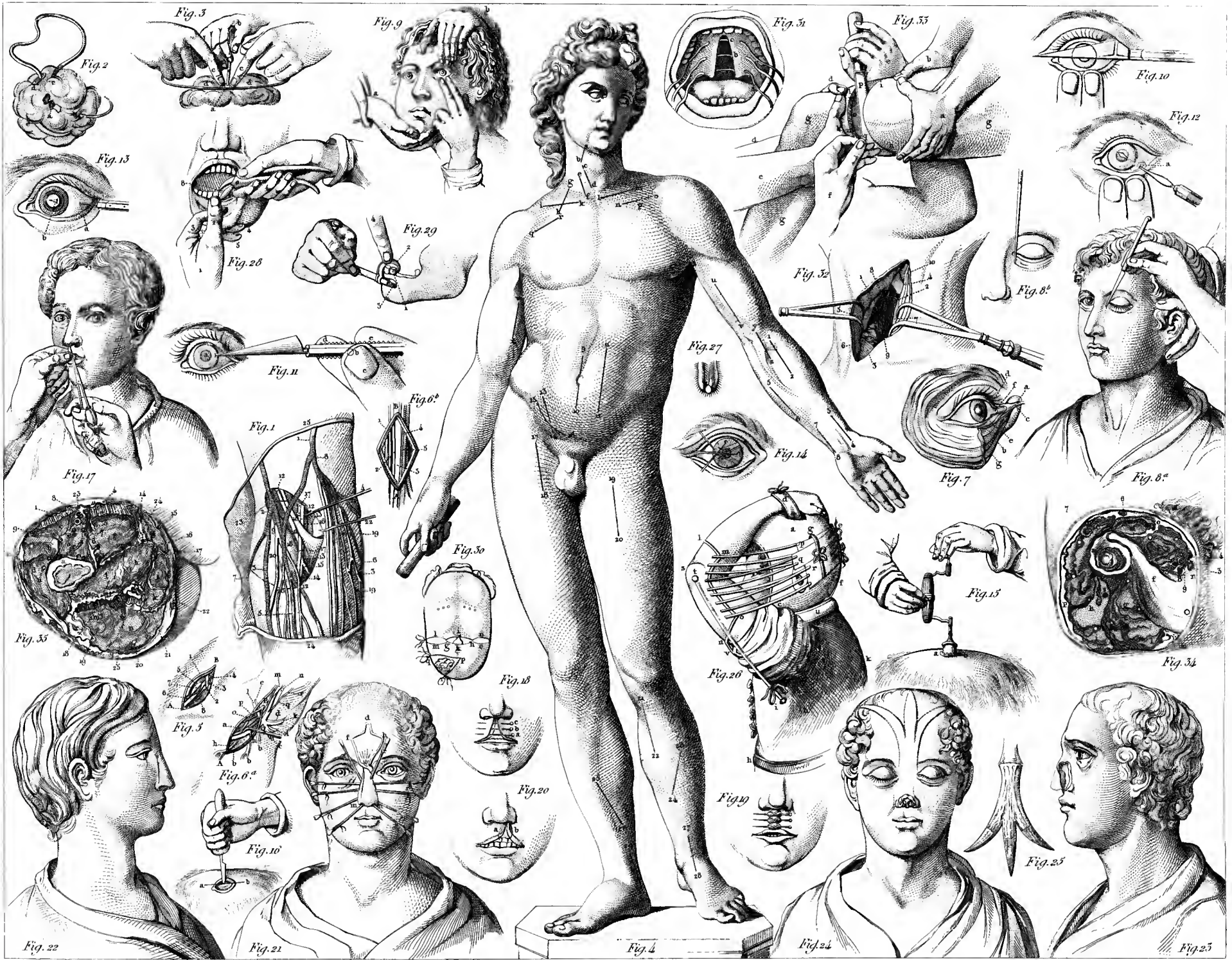
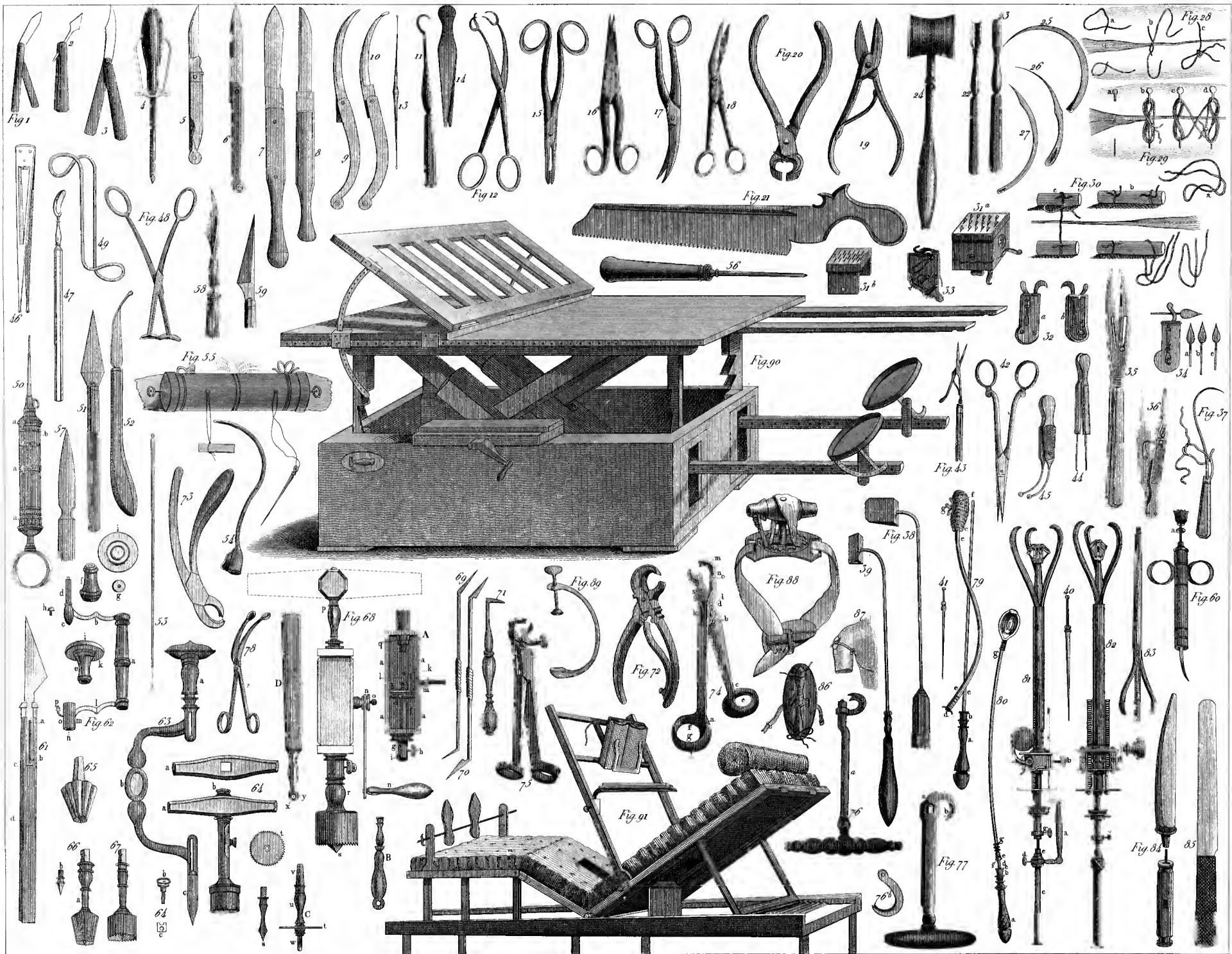


Fig. 9














ICONOGRAPHIC  
**E N C Y C L O P Æ D I A .**

DIVISION III.

GEOGRAPHY AND PLANOGRAPHY.

FORTY-TWO PLATES.

---

NEW YORK: 1851.  
PUBLISHED BY RUDOLPH GARRIGUE,  
2 BARCLAY STREET (ASTOR HOUSE).







Physikalische Karte  
von  
**EUROPA**

Entworfen u. gezeichnet v. Ph. Weber in Carlsruhe

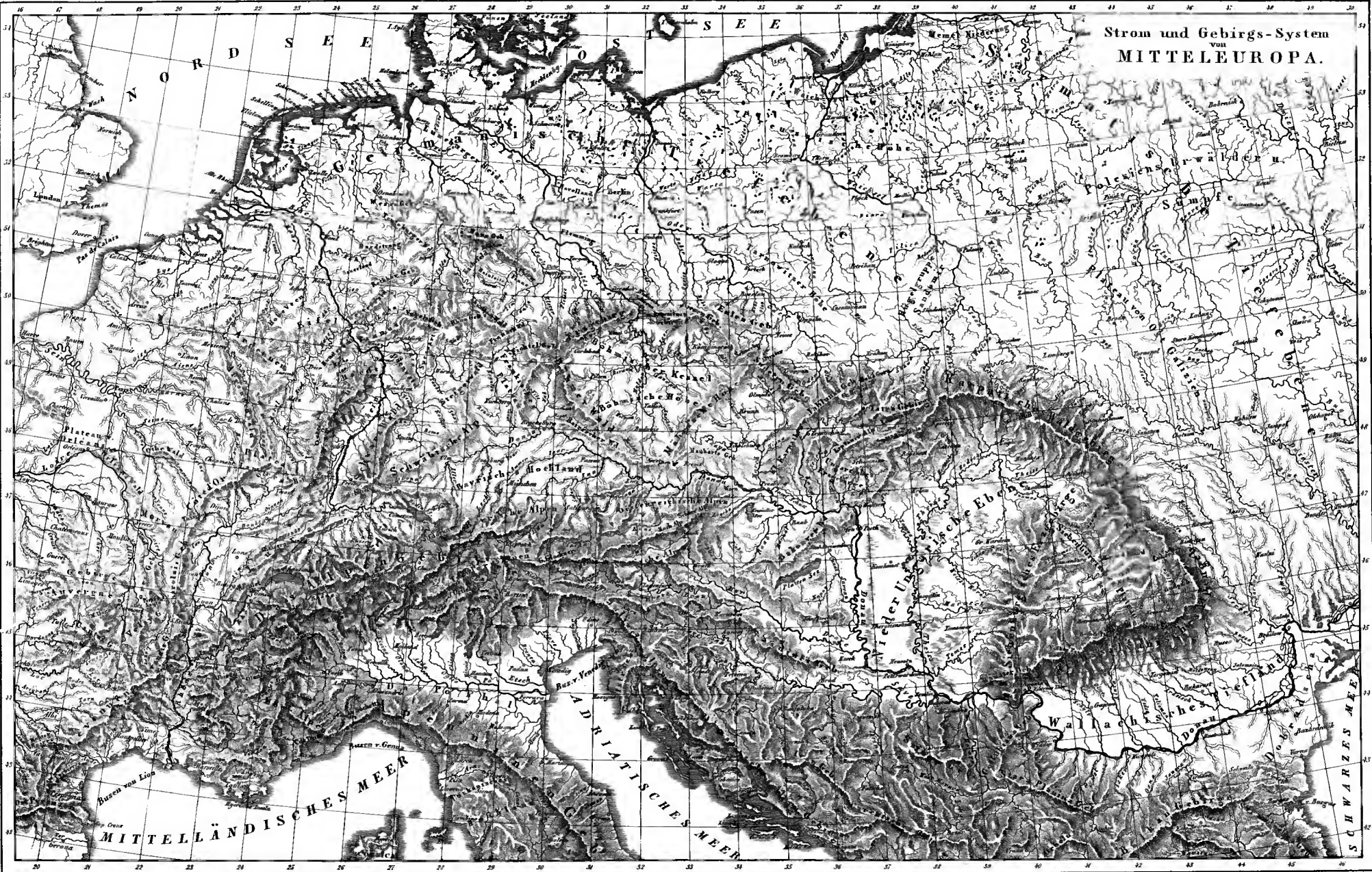
Maasstab 1:1000000

0 15 30 45 60 75 Deutsche Meilen 25 50 75 100 125 Lienen

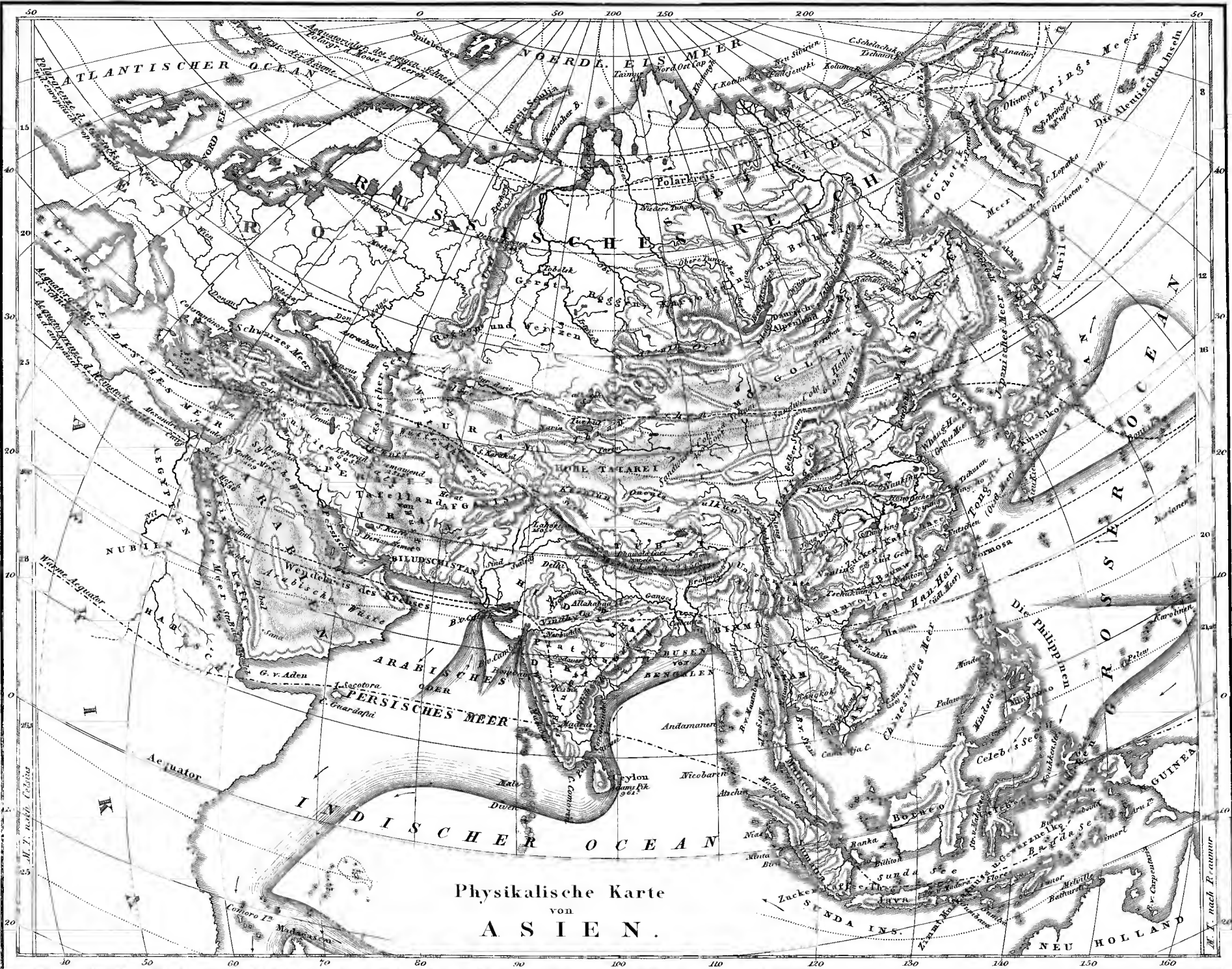
J. L. v. Baehr sc.



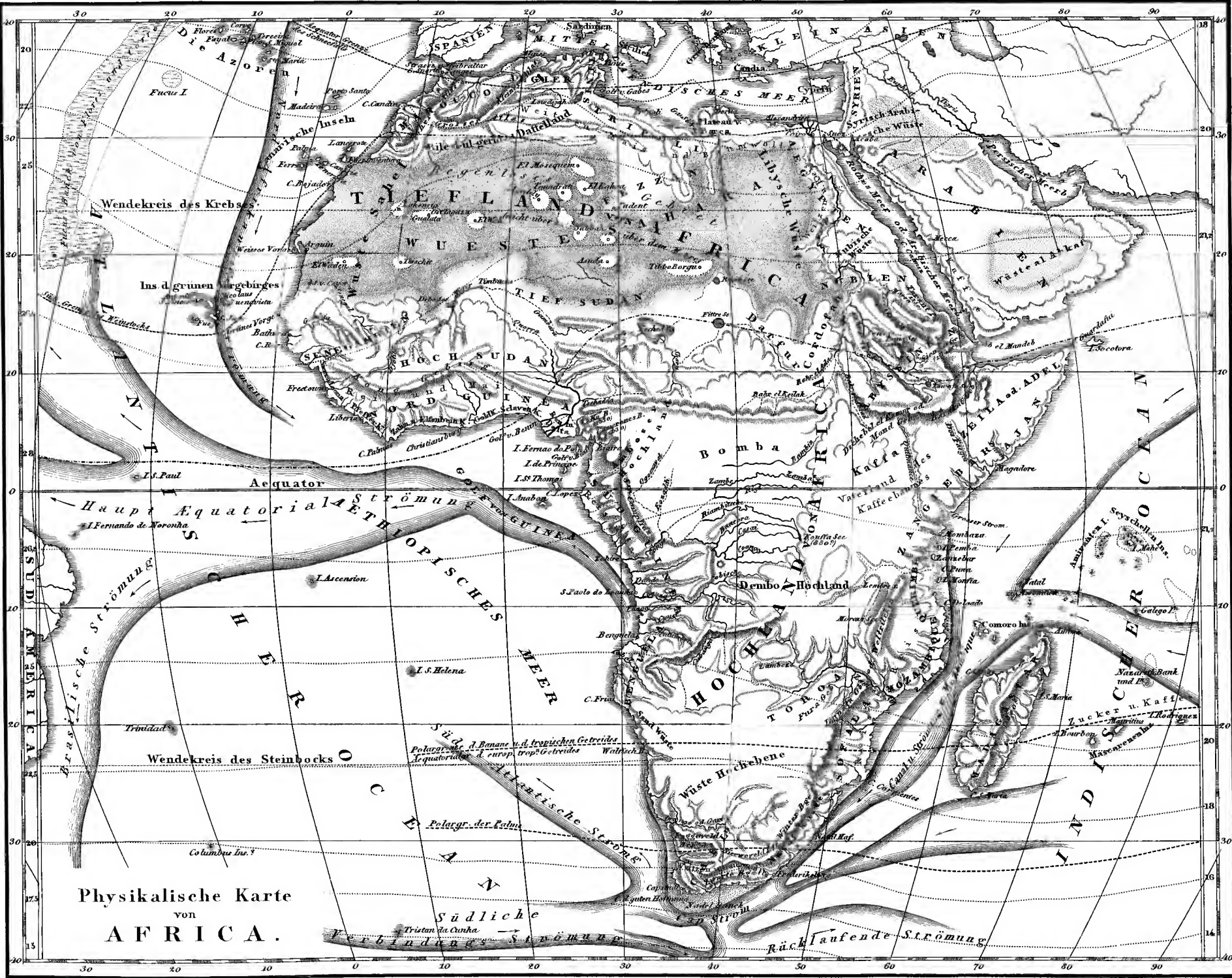
Strom und Gebirgs-System  
von  
MITTELEUROPA.











Physikalische Karte  
von  
**AFRICA.**

Südliche  
Verbindungsströmung

Rücklaufende Strömung

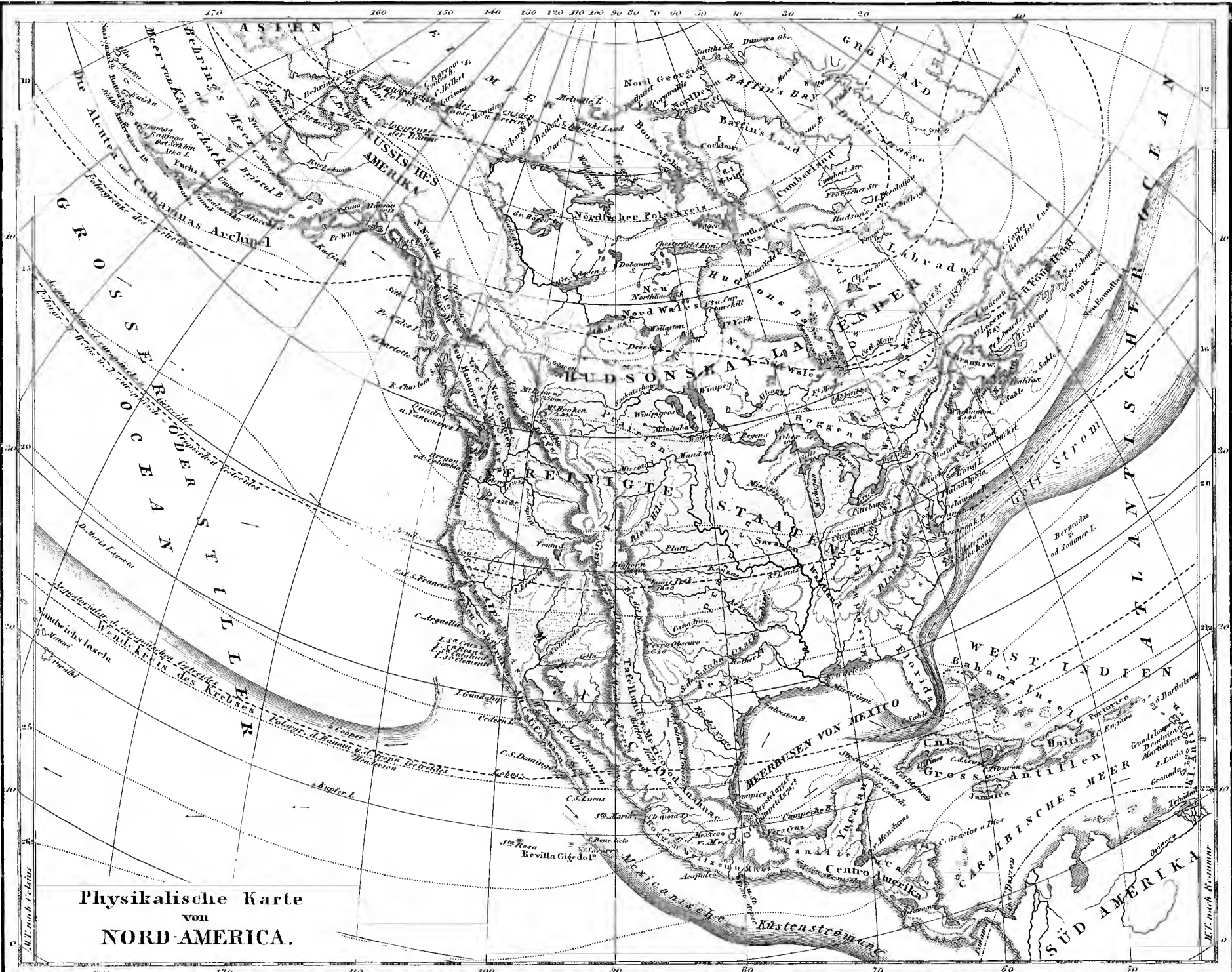
Entworfen u. gez. v. Ph. Weber in Karlsruhe

Maasstab 1:4000000

Deutsche Meilen 0 50 100 150 200 250 300 350 400 450 500

Grav. J.L.v. Bach in Halle





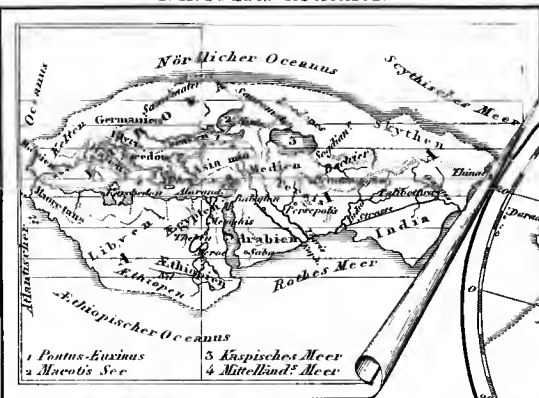
Physikalische Karte  
 von  
 NORD-AMERIKA.



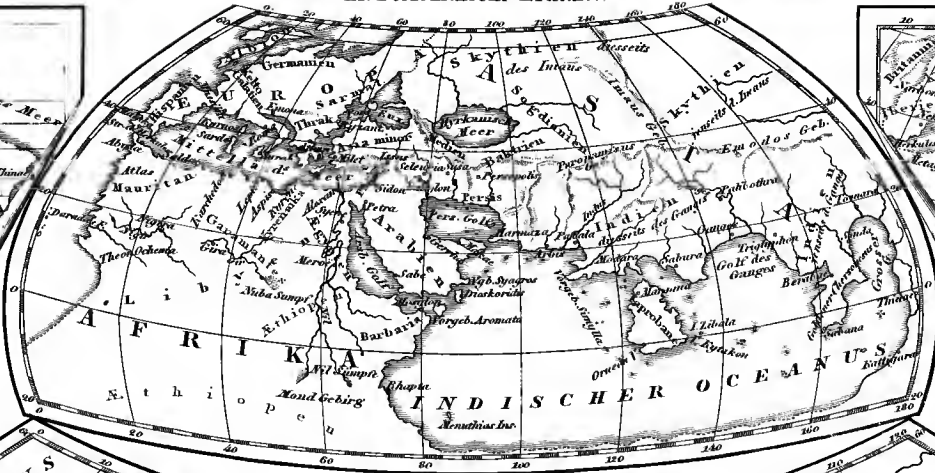




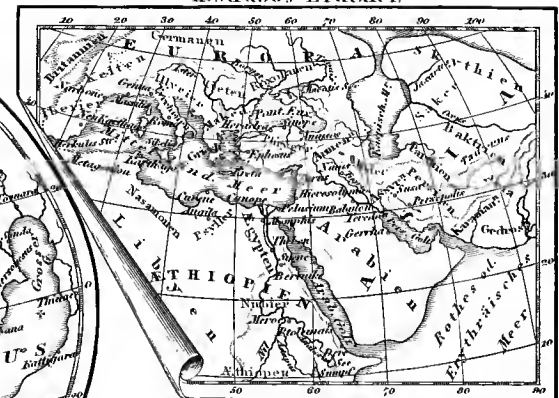
I. Herodots Erdtafel



III. Ptolemäische Erdtafel



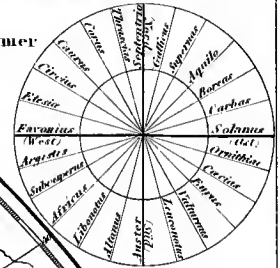
II. Strabos Erdtafel



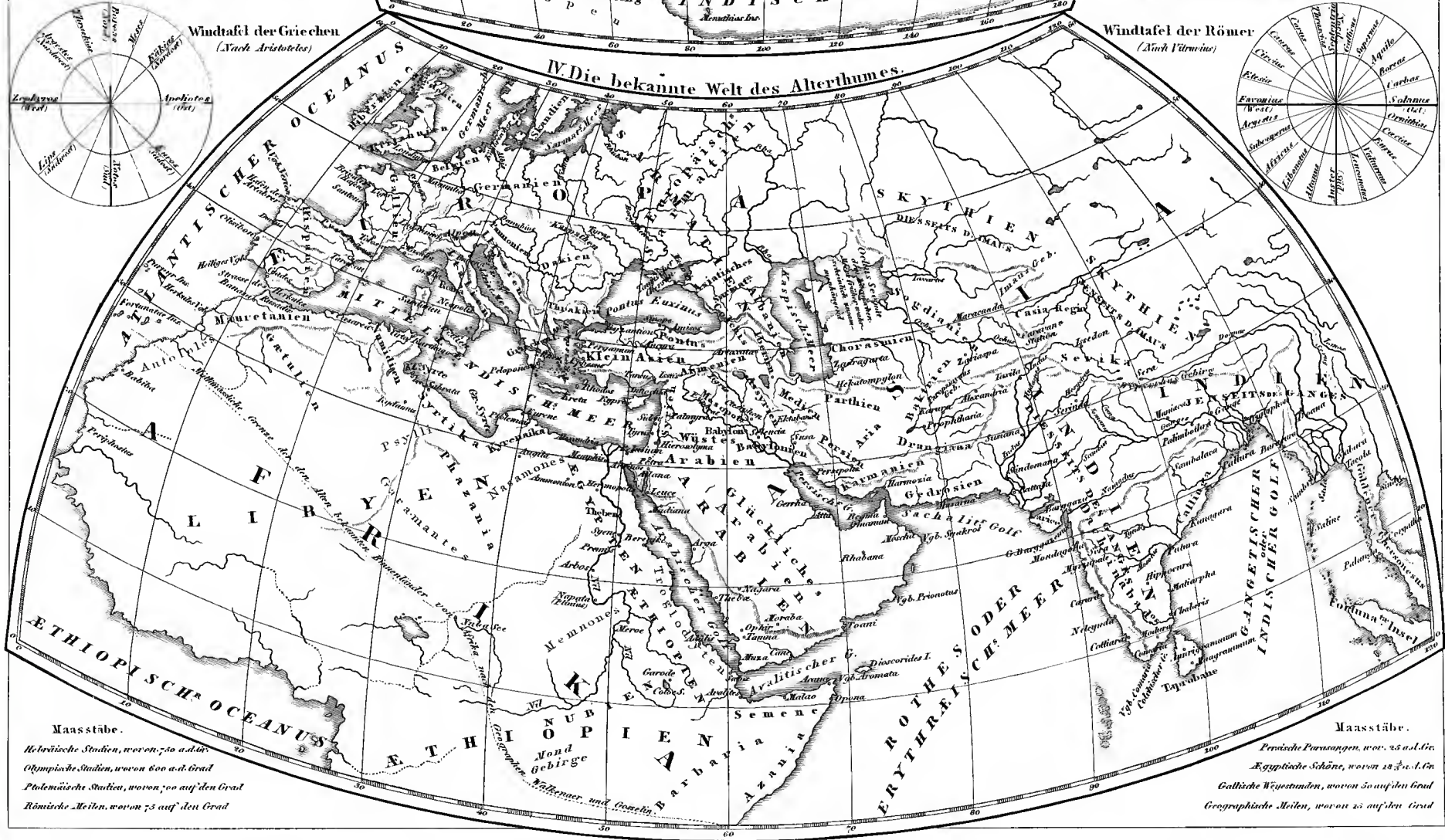
Windtafel der Griechen (Nach Aristoteles)



Windtafel der Römer (Nach Plinius)



IV. Die bekannte Welt des Alterthumes.



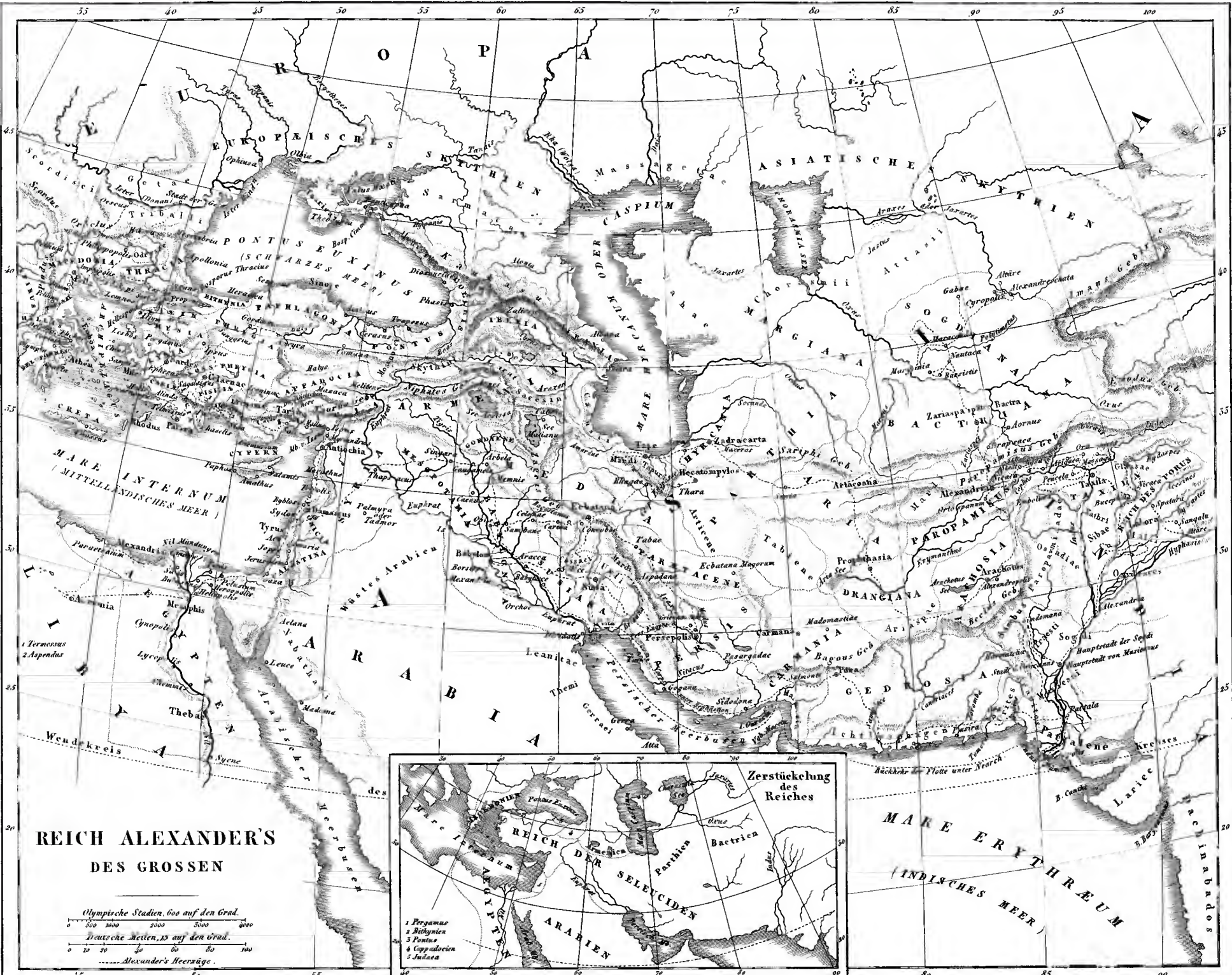
Maasstäbe.

Hebraische Stadien, woron 750 a.d. Grad  
 Olympische Stadien, woron 600 a.d. Grad  
 Ptolemäische Stadien, woron 750 auf den Grad  
 Römische Meilen, woron 75 auf den Grad

Maasstäbe.

Persische Parasangen, woron 25 a.d. Grad  
 Egyptische Schene, woron 12 1/2 a.d. Grad  
 Gallische Weestunden, woron 50 auf den Grad  
 Geographische Meilen, woron 25 auf den Grad





# REICH ALEXANDER'S DES GROSSEN

Olympische Stadien 600 auf den Grad.  
 0 500 1000 2000 5000 10000  
 Deutsche Meilen, 10 auf den Grad.  
 0 20 40 60 80 100  
 ----- Alexander's Heersüge.







**RÖMISCHES REICH**  
 ZUR ZEIT  
 CONSTANTIN'S DES GROSSEN.

Olympische Stadien, 600 auf den Grad  
 Römische Meilen, 75 auf den Grad  
 Deutsche Meilen, 25 auf den Grad





**EUROPA**  
zur Zeit  
**KARL'S DES GROSSEN.**







# EUROPA

VOR DER FRANZÖSISCHEN REVOLUTION.

(1789)

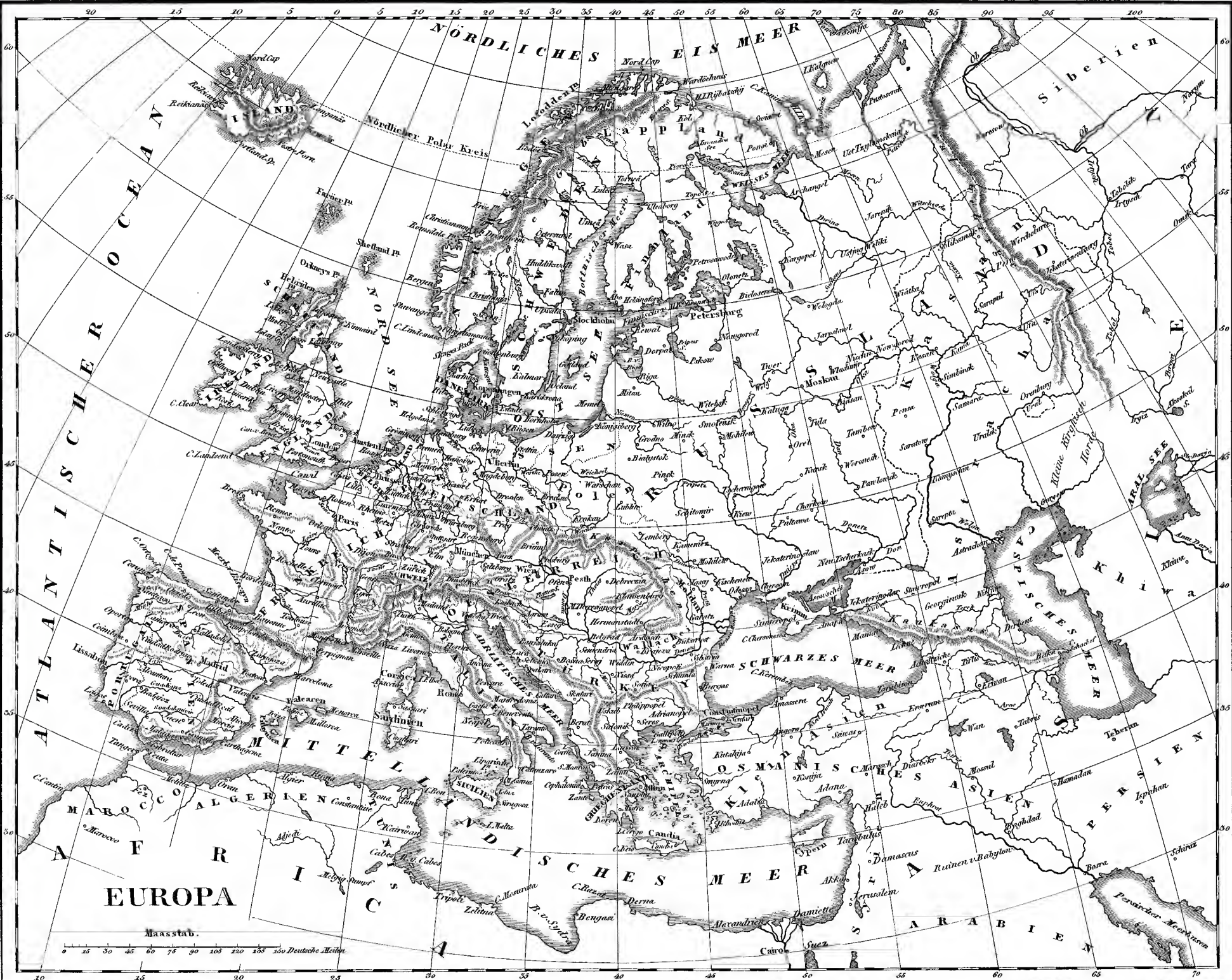
Erklärung der Zahlen

- 1. Oesterreichische Landesteile . . . . .
- 2. Preussische Landesteile . . . . .
- 3. Schwedische Landesteile . . . . .
- 4. Republik Venedig . . . . .
- 5. Republik Genua . . . . .
- 6. Herzogthum Parma . . . . .
- 7. Herzogthum Modena . . . . .



Deutsche Meilen 15 auf den Grad  
Französische Liniens 25 auf den Grad



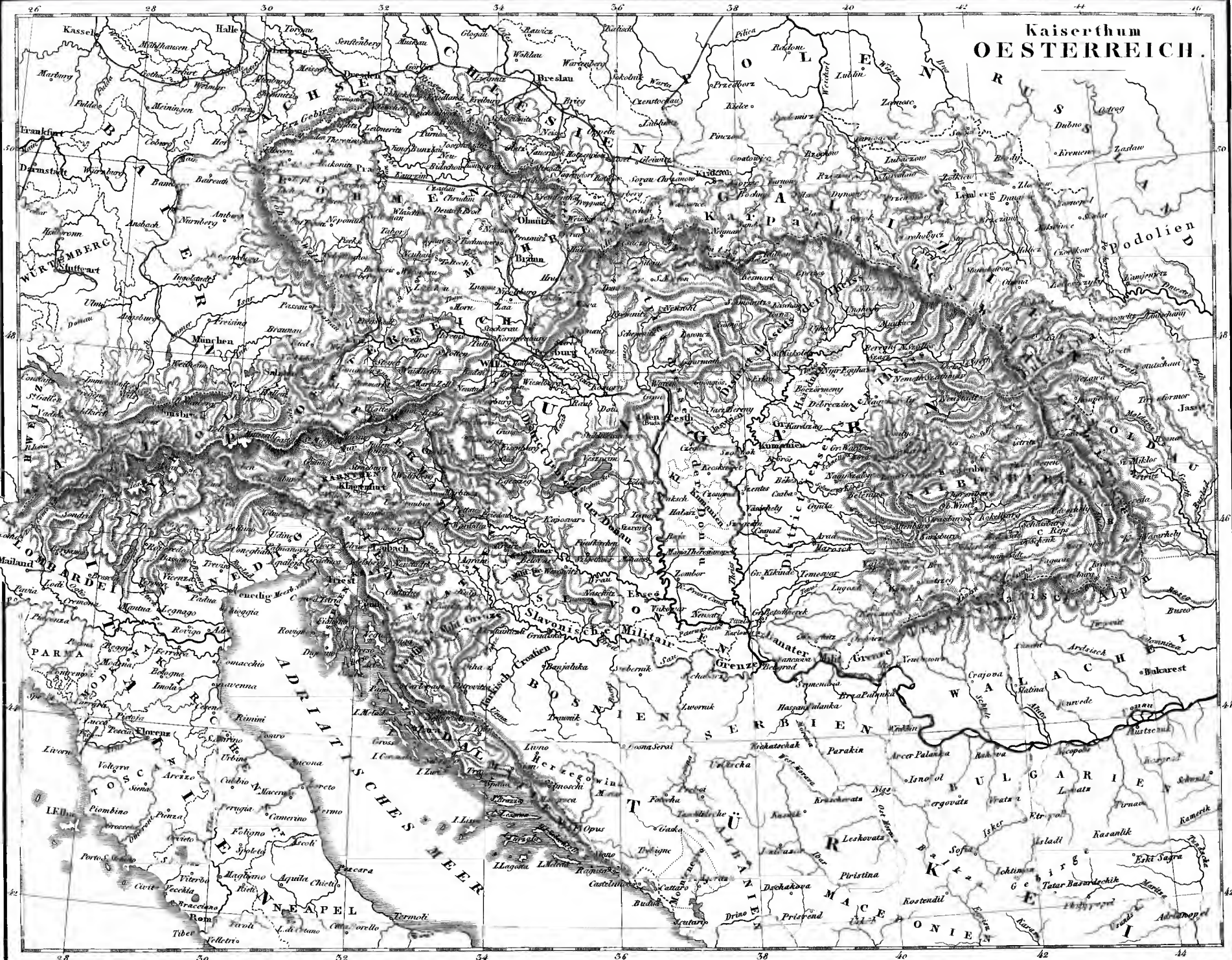








# Kaiserthum OESTERREICH.



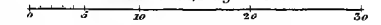




Verz. v. H. Weber in Göttingen

Deutsche Meilen, 25 auf den Grad.

Französische Lignes, 25 auf den Grad.







SCHWEDEN, NORWEGEN und DÄNEMARK.

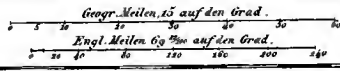




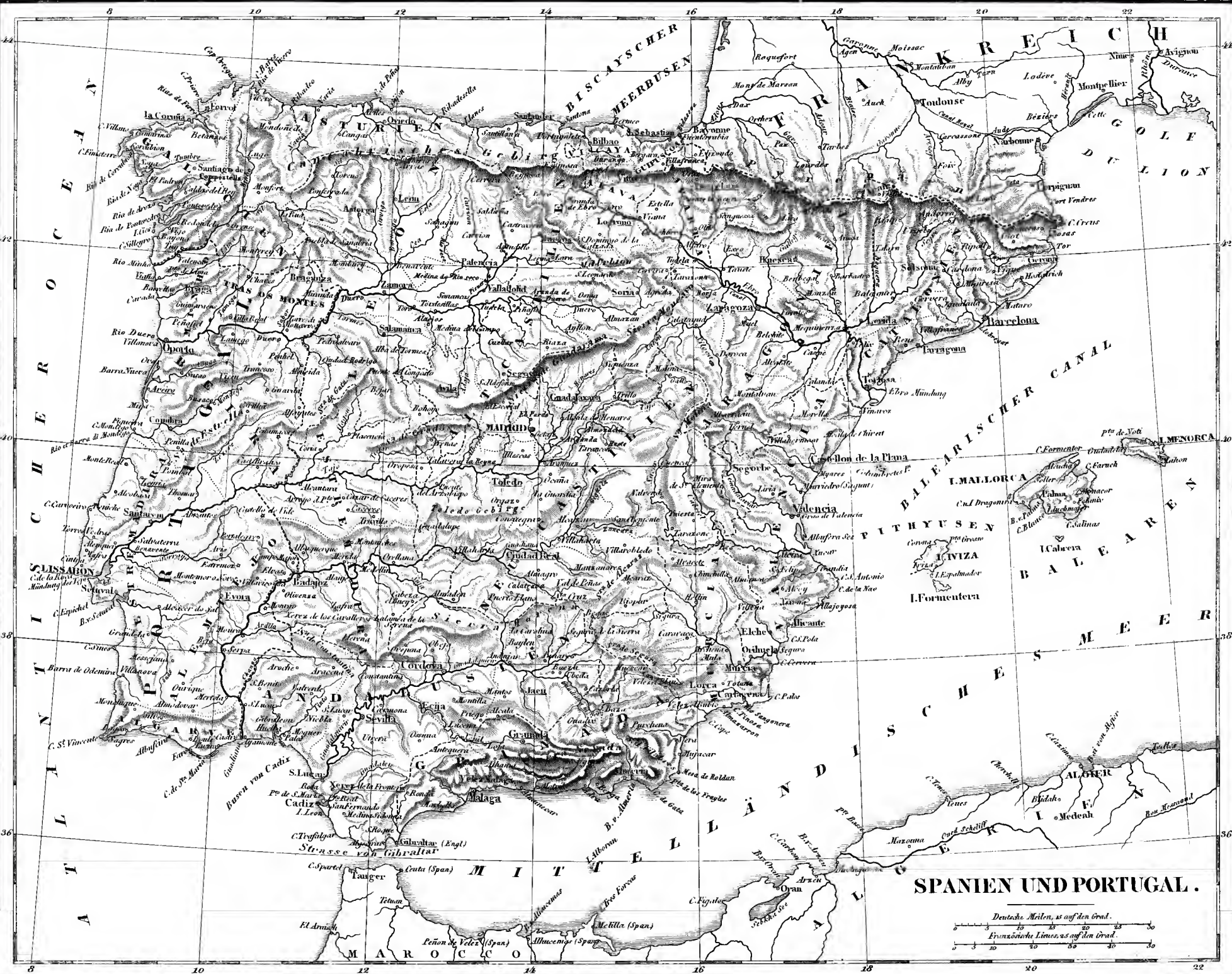


**GROSSBRITANNIEN  
und  
IRELAND.**

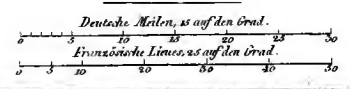
Maasstabe.







**SPANIEN UND PORTUGAL.**





- Departemente.**
- 1 Ain G.
  - 2 Aisne
  - 3 Allier
  - 4 Alpen, Nieder-G.
  - 5 Alpen, Ober-G.
  - 6 Ardèche
  - 7 Ardennen G.
  - 8 Ariège G.
  - 9 Aube
  - 10 Aude S.
  - 11 Aveyron
  - 12 Calvados S.
  - 13 Cantal
  - 14 Charente
  - 15 Charente, Nieder-S.
  - 16 Cher
  - 17 Corrèze
  - 18 Corvèze S.
  - 19 Côte-d'Or
  - 20 Creuse
  - 21 Dordogne
  - 22 Doubs G.
  - 23 Drôme
  - 24 Eure
  - 25 Eure-Loir
  - 26 Finistère S.
  - 27 Gard G.
  - 28 Garonne Ober-
  - 29 Gers
  - 30 Girond. (Landes) S.
  - 31 Gironde S.
  - 32 Hérault S.
  - 33 Ille-Villaine S.
  - 34 Indre
  - 35 Indre-Loire
  - 36 Isère G.
  - 37 Jura
  - 38 Kanal (Manche) S.
  - 39 Loir-Cher
  - 40 Loire
  - 41 Loire, Nieder-S.
  - 42 Loire, Ober-
  - 43 Loiret
  - 44 Lot
  - 45 Lot-Garonne
  - 46 Lozère
  - 47 Maine-Loire
  - 48 Mayenne, Ober
  - 49 Mayenne
  - 50 Meurthe
  - 51 Meurthe G.
  - 52 Maas (Meuse) G.
  - 53 Morbihan S.
  - 54 Mosel (Moselle) G.
  - 55 Nièvre
  - 56 Norden (Nord) G. u. S.
  - 57 Nordküsten (Côtes du Nord) S.
  - 58 Oise
  - 59 Orne
  - 60 Pas-de-Calais S.
  - 61 Puy-de-Dôme
  - 62 Pyrenen, Nieder-G. u. S.
  - 63 Pyrenen, Ober-G.
  - 64 Pyrenen, Ost-G. u. S.
  - 65 Rhein, Nieder-G.
  - 66 Rhein, Ober-G.
  - 67 Rhône
  - 68 Rhônemündungen S.
  - 69 Saône, Ober
  - 70 Saône-Loire
  - 71 Sarthe
  - 72 Seine, Paris
  - 73 Seine, Nieder-S.
  - 74 Seine-Marne
  - 75 Seine-Oise
  - 76 Seine, Beide-Deux-Seines
  - 77 Somme S.
  - 78 Tarn
  - 79 Tarn-Garonne
  - 80 Var G. u. S.
  - 81 Vendée
  - 82 Vendée S.
  - 83 Vienne
  - 84 Vienne, Ober
  - 85 Vogesen (Vosges)
  - 86 Yonne



Oestliche Länge von Ferro 14 16 18 20 22 24 26 Oestliche Länge von Ferro

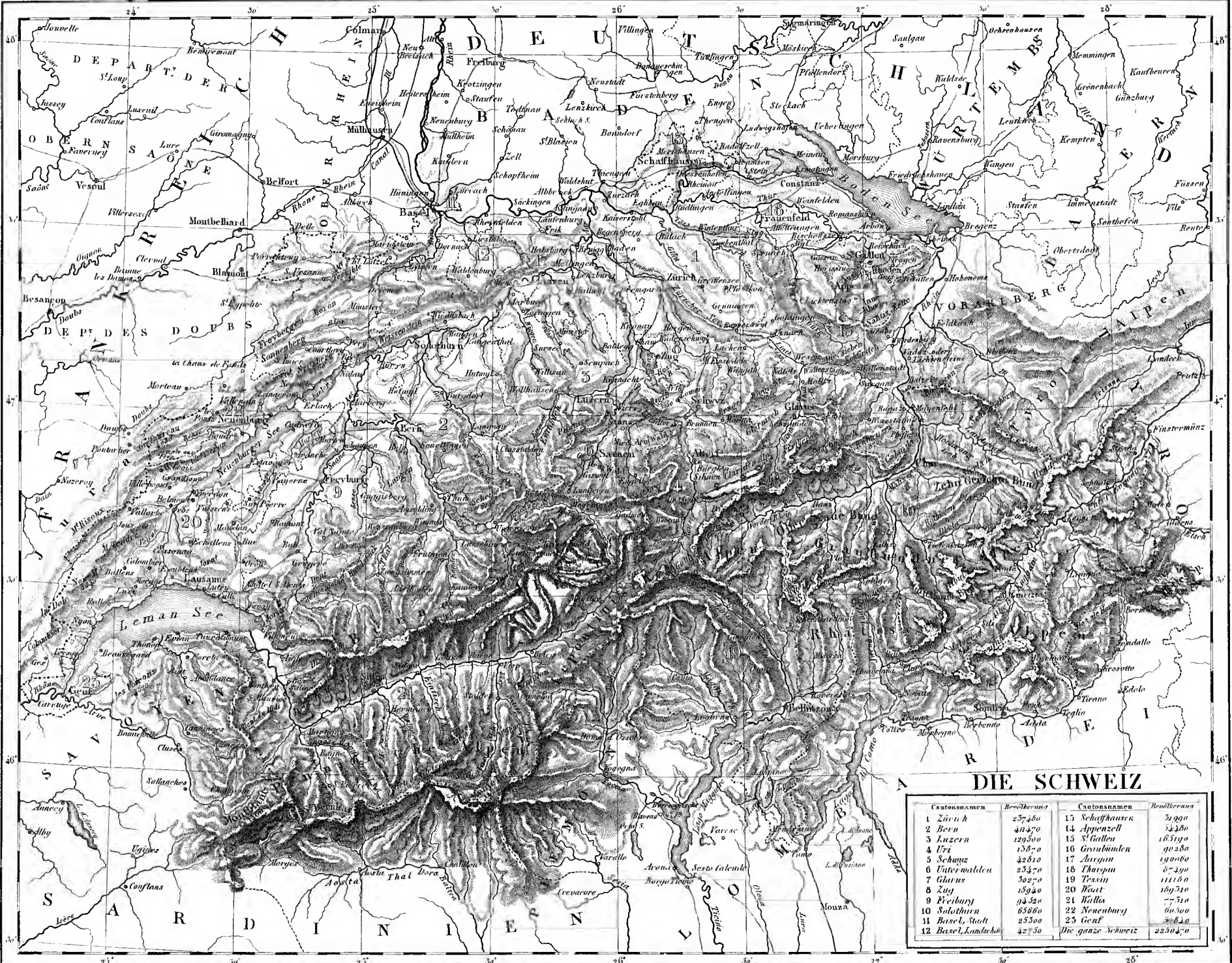
6. Beck dir.

Geogr. Meilen

Französische Lieues

J. v. Bachr sc.





**DIE SCHWEIZ**

Cantonsnamen	Bevölkerung	Cantonsnamen	Bevölkerung
1 Zürich	257,400	15 Schaffhausen	51,000
2 Bern	401,470	14 Appenzell	52,200
3 Luzern	129,500	15 St. Gallen	163,190
4 Uri	158,700	16 Graubünden	90,200
5 Schwyz	428,100	17 Aargau	190,000
6 Unterwalden	234,700	18 Thurgau	87,490
7 Glarus	302,700	19 Tessin	111,000
8 Zug	159,200	20 Valais	169,710
9 Fribourg	94,520	21 Val de Saône	77,510
10 Solothurn	63,000	22 Neuchâtel	60,000
11 Basel, Stadt	235,000	23 Genève	98,840
12 Basel, Landsh.	427,300	Die ganze Schweiz	2,250,400









Europäisches  
RUSSLAND.

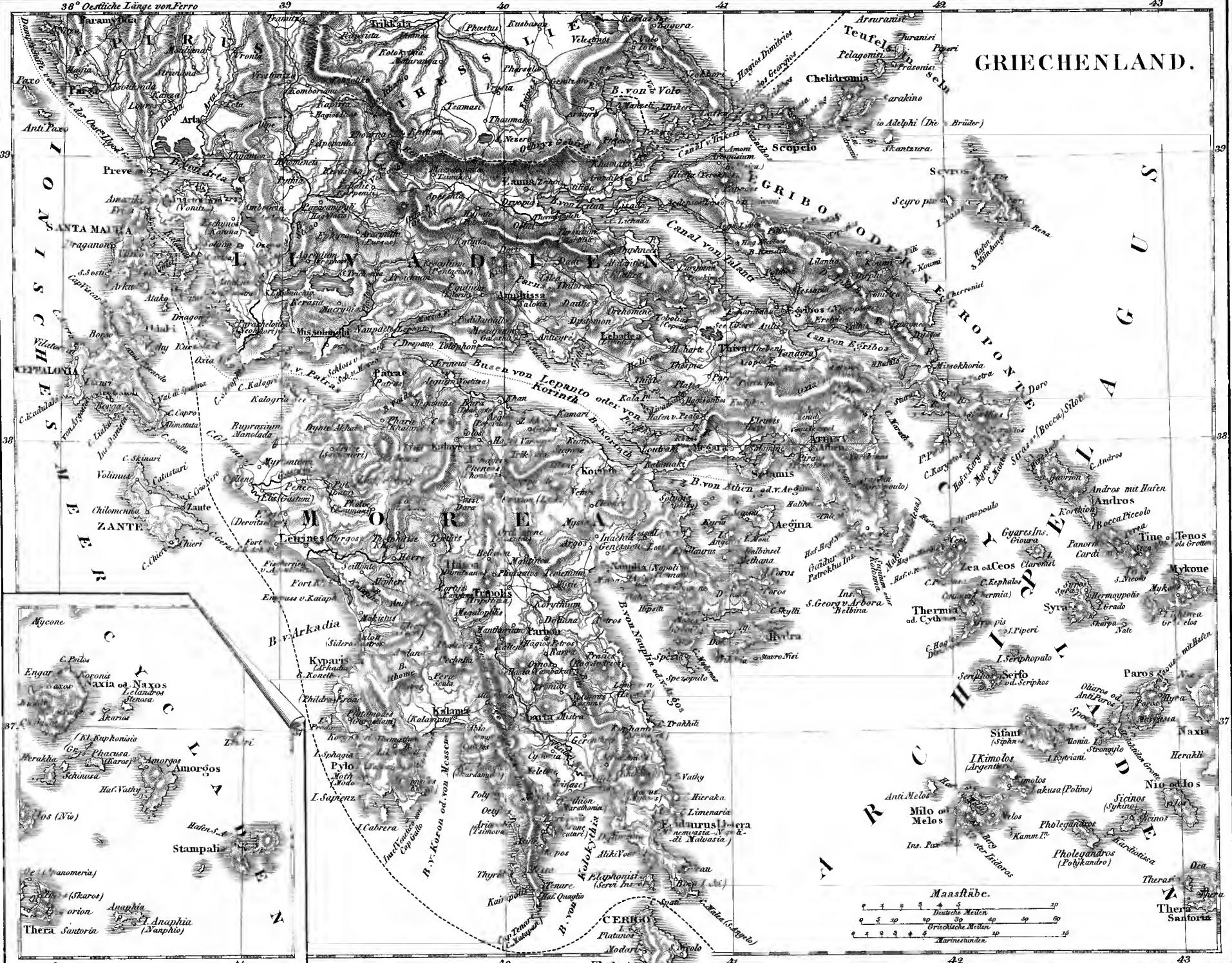




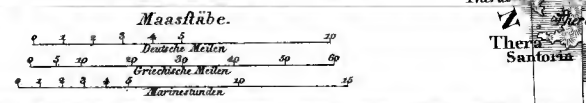
**OSMANISCHES REICH.**

Europa		Asien	
1	Ejdet Rum-ili	10	Ejdet Anatolien
2	- - - - - Sibirien	11	- - - - - Adana
3	- - - - - Bosnien	12	- - - - - Karanman
4	- - - - - Doria	13	- - - - - Marasch
5	- - - - - Kiviz	14	- - - - - Sivias
6	Schutzland Ertrien	15	- - - - - Tarabison
7	- - - - - Wallachei	16	- - - - - Erzerum
8	- - - - - Moldau	17	- - - - - Wan
9	- - - - - Montagne	18	- - - - - Kars
		19	Ejdet Musch
		20	- - - - - Baghidad
		21	- - - - - Diarbekir
		22	- - - - - Urfa
		23	- - - - - Mosul
		24	- - - - - Halab
		25	- - - - - Damascus
		26	- - - - - Akko
		27	- - - - - Beirut
		28	- - - - - Jerusalem

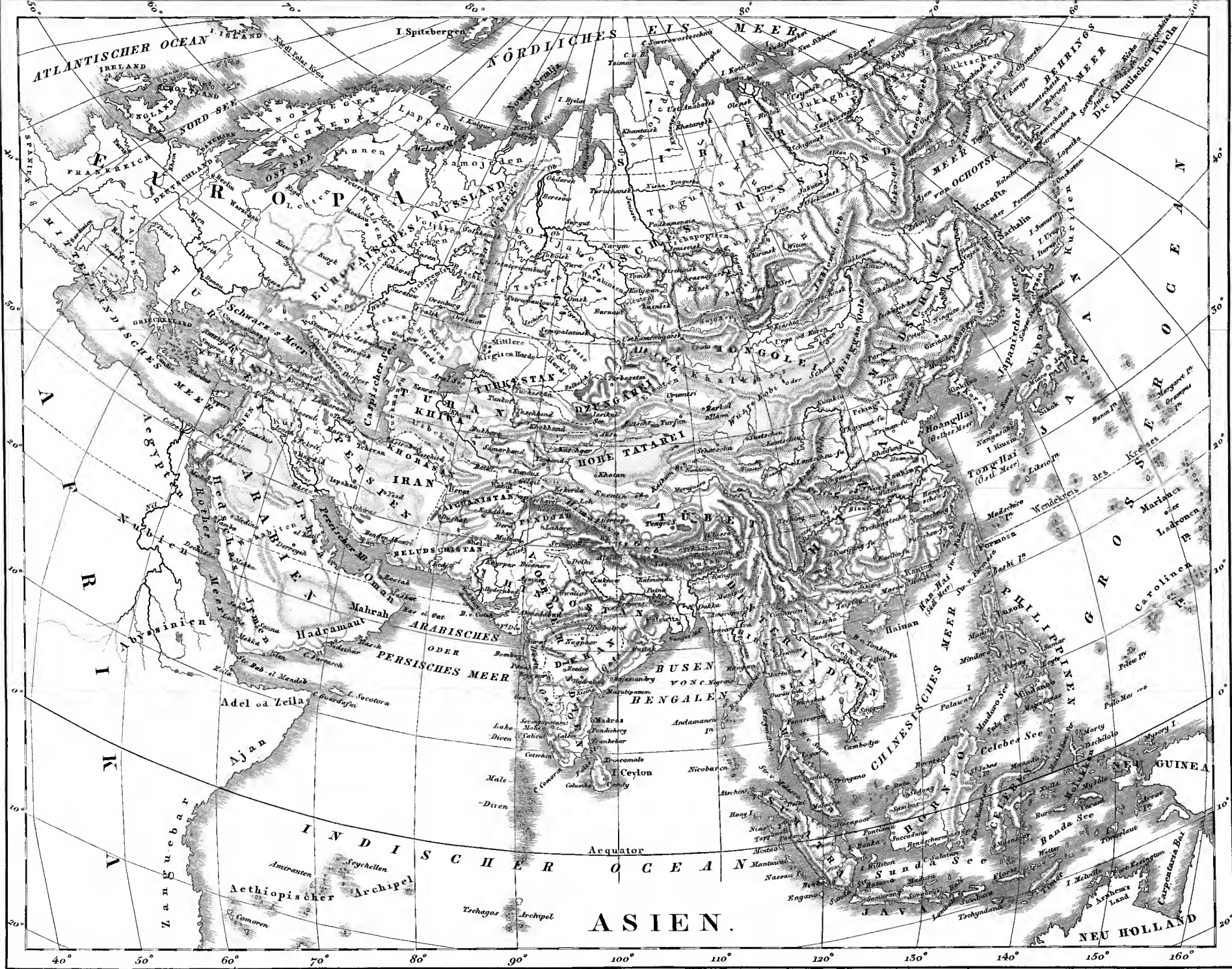




# GRIECHENLAND.









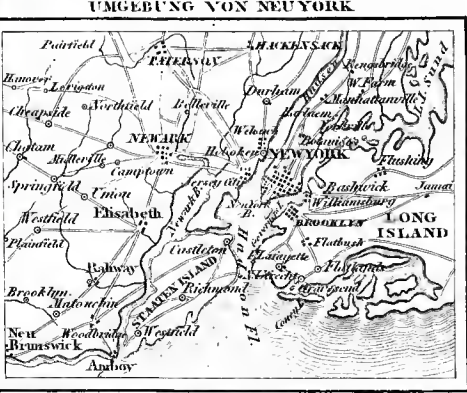






# NORDAMERICA.

Staaten der Nordamerikanischen Union		Staaten der Mexikanischen Union	
Maine ..... 1	Louisiana ..... 20	Mexico mit dem Distrikt Mexiko	1
New-Hampshire ..... 2	Tennessee ..... 21	Queretaro ..... 2	
Vermont ..... 3	Kentucky ..... 22	Guanajuato ..... 3	
Massachusetts ..... 4	Ohio ..... 23	Mexicoan ..... 4	
Rhode-Island ..... 5	Indiana ..... 24	Michoacan ..... 5	
Connecticut ..... 6	Illinois ..... 25	Zacatecas ..... 6	
New-York ..... 7	Michigan ..... 26	Sonora und Chihuahua mit Bolson de Arizopn ..... 8	
Pennsylvanien ..... 8	Wisconsin ..... 27	Cinaloa ..... 7	
Delaware ..... 9	Arkansas ..... 28	Veracruz mit dem Distrikt Tlaxcala ..... 9	
Maryland ..... 10	Missouri ..... 29	Oaxaca ..... 10	
Pennsylvanien ..... 11	Iowa ..... 30	Chiapas ..... 11	
North Carolina ..... 12	DISMEMMERT	Tabasco ..... 12	
Virginia ..... 13	District Columbia ..... 31	Yucatan ..... 13	
West Virginia ..... 14	Montana ..... 32	San Luis Potosi ..... 14	
Georgia ..... 15	Idaho ..... 33	Veracruz ..... 15	
Florida ..... 16	Wyoming ..... 34	San Luis Potosi ..... 16	
Alabama ..... 17		Veracruz ..... 17	
Mississippi ..... 18		Veracruz ..... 18	
		Veracruz ..... 19	
		Veracruz ..... 20	
		Veracruz ..... 21	



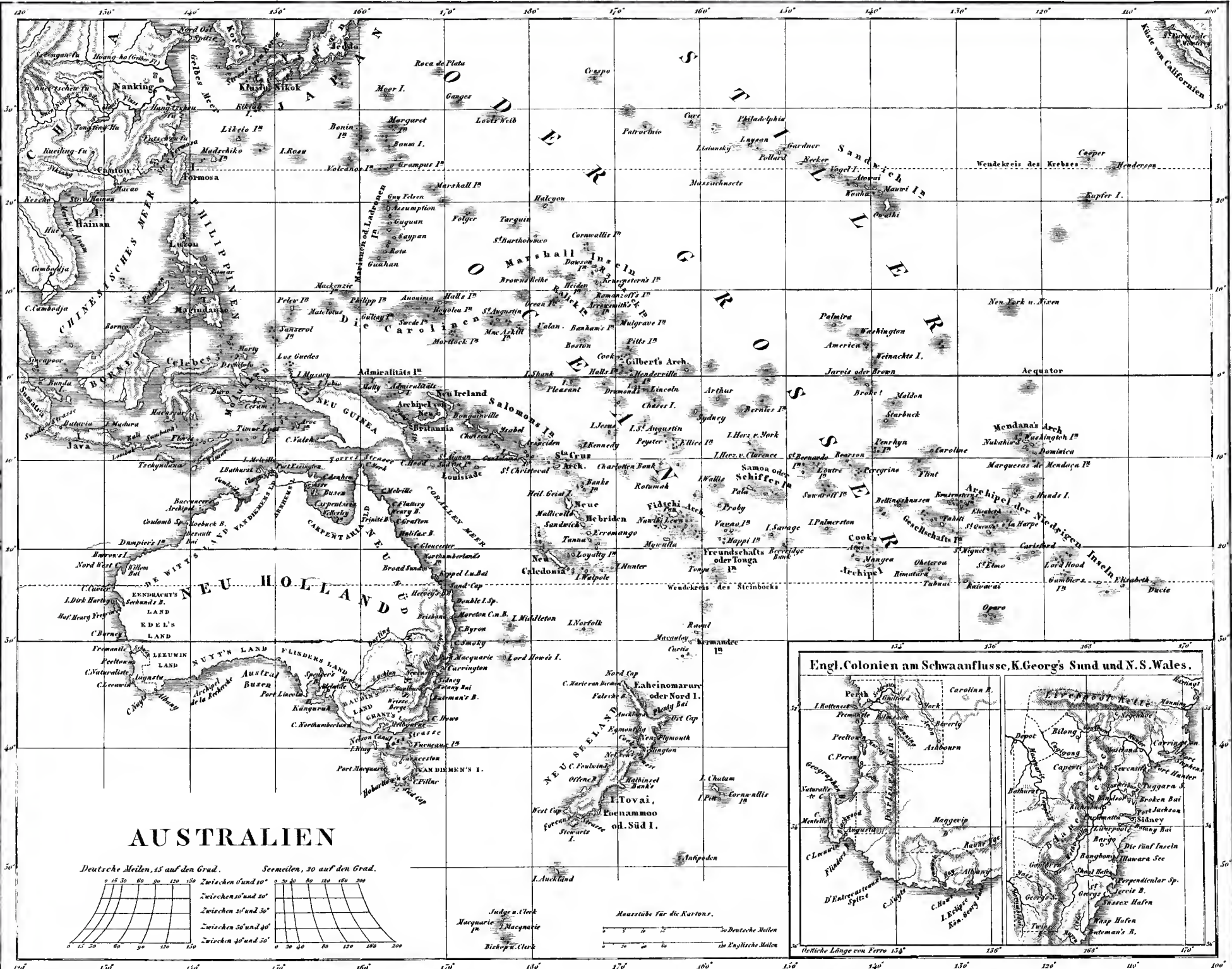




Braßilien 18 Prov.	N. Granada 5 Dep.	Bolivien 10 Dep.	Valdavia	7
Rio Janeiro	Carthagena	Arqueya	Santh Chilo	8
San Paulo	Caaca	Ayacucho	La Plata 14 Staaten	
3te Catalina	Letra	Cusco	Buenos Ayres	1
San Pedro	Magdalena	Puno	Entre Rios	2
Matto Grosso	Ruyana	Chuquisaguas	Corrientes	3
Goyas	Venezuela 4 Dep.	Oruro	3te Pz	4
Minas Geras	Venezuela	Potari	Cordoba	5
Espirito Santo	Maturin	La Paz	Santiago	6
Bahia	Orenoco	Cochabamba	Tucuman	7
Sergipe del Rey	Guia	3te Cruz und	Salta	8
Doa Alagoas	Ecuador 3 Dep.	Provincia Tarija	Jugay	9
Pernambuco	Ecuador	Chile 8 Provinzen	Catamarca	10
Paraguay	Paraguay	Chile 8 Provinzen	San Juan	11
Rio grande	Assay	Coconagua	San Luis	12
Corra	Pera 3 Depart.	Colahagua	Montevideo	13
Pindhy	Lima	Macle	Paraguay	14
Moracheo	Libertad	Concepcion	Uruguay	
Tara	Junin			

Deutsche Meilen 15 auf den Grad.  
 0 15 30 45 60 75 90  
 Meilenstunden 20 auf den Grad.  
 0 20 40 60 80 100 120







# LONDON

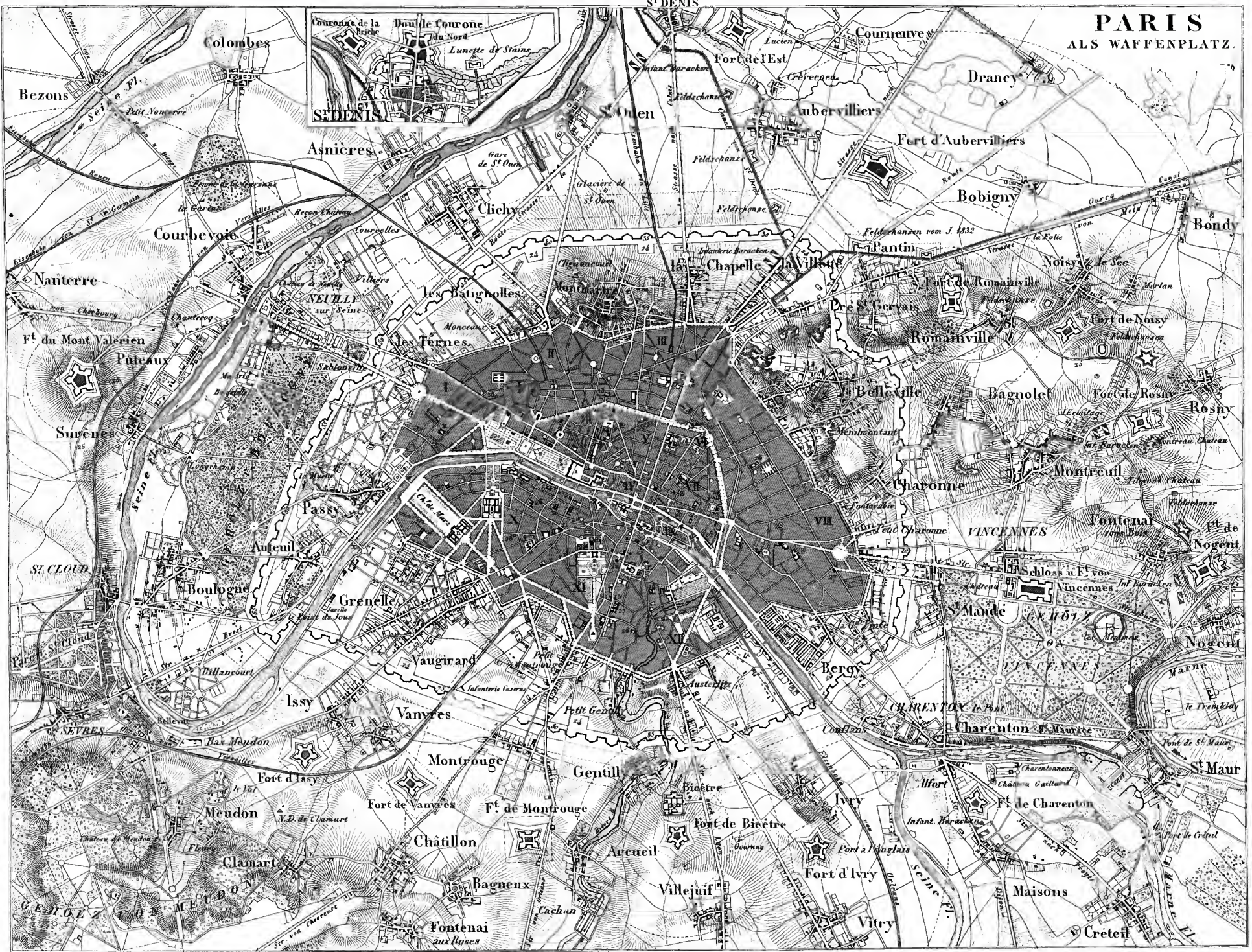








# PARIS ALS WAFENPLATZ.



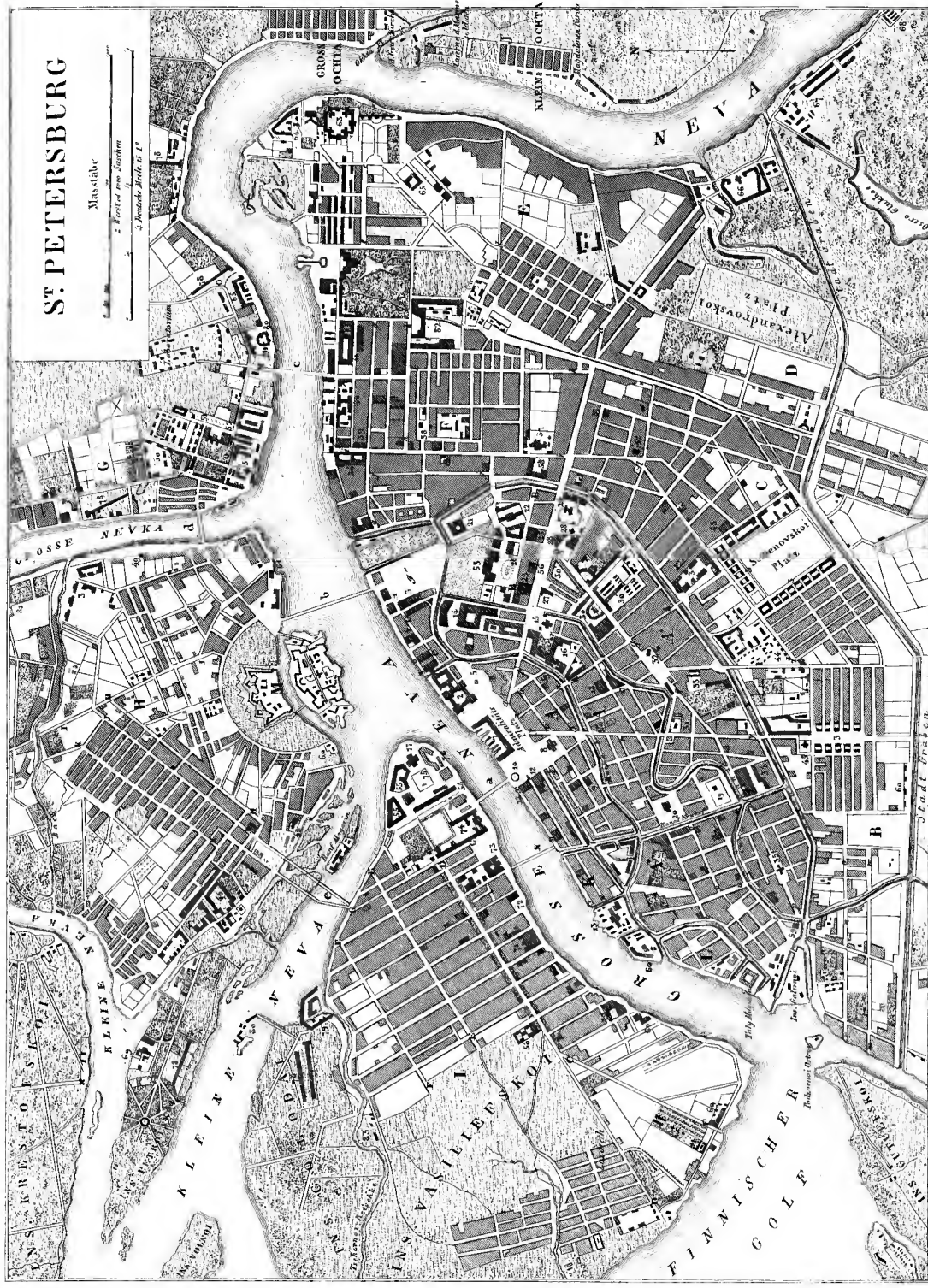






# ST. PETERSBURG

Maasstab  
1. Russische Maßstab  
2. Deutsche Maßstab 1:100,000



# WARSCHAU (WARSAWA)

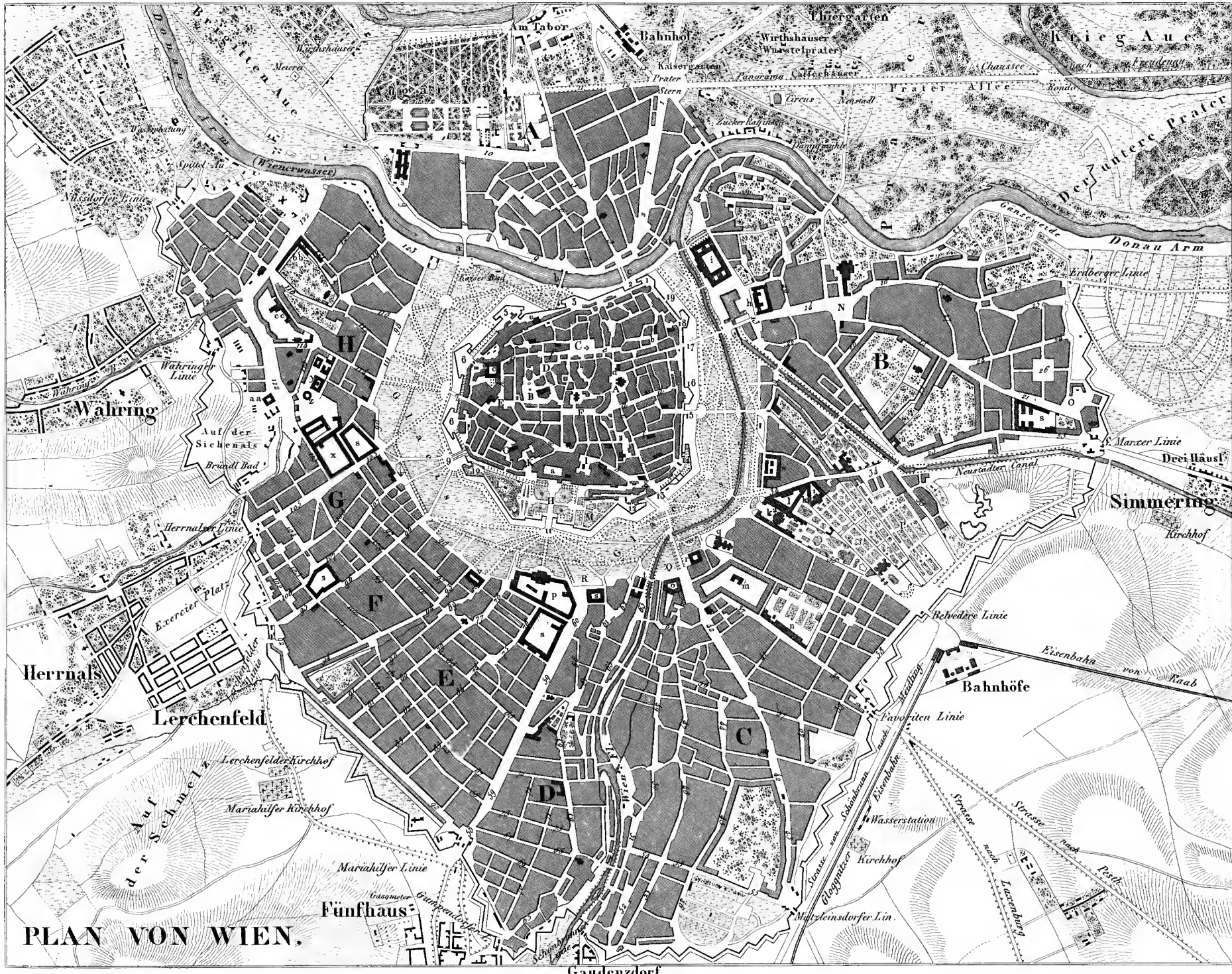
Maasstab  
1. Russische Maßstab  
2. Deutsche Maßstab 1:100,000











**PLAN VON WIEN.**

G. Heck del.

Wiener Klafter  
 0 20 40 60 80 100

Deutsche Meilen  
 0 1/10 1/5 1/4

Schögel & Eberhardt sculp.





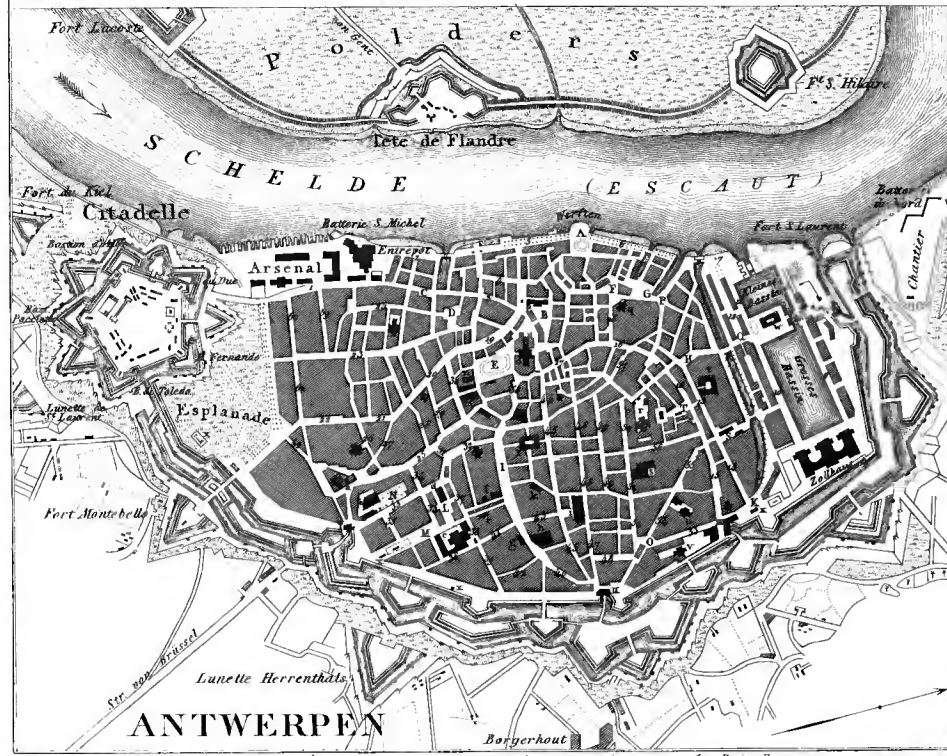
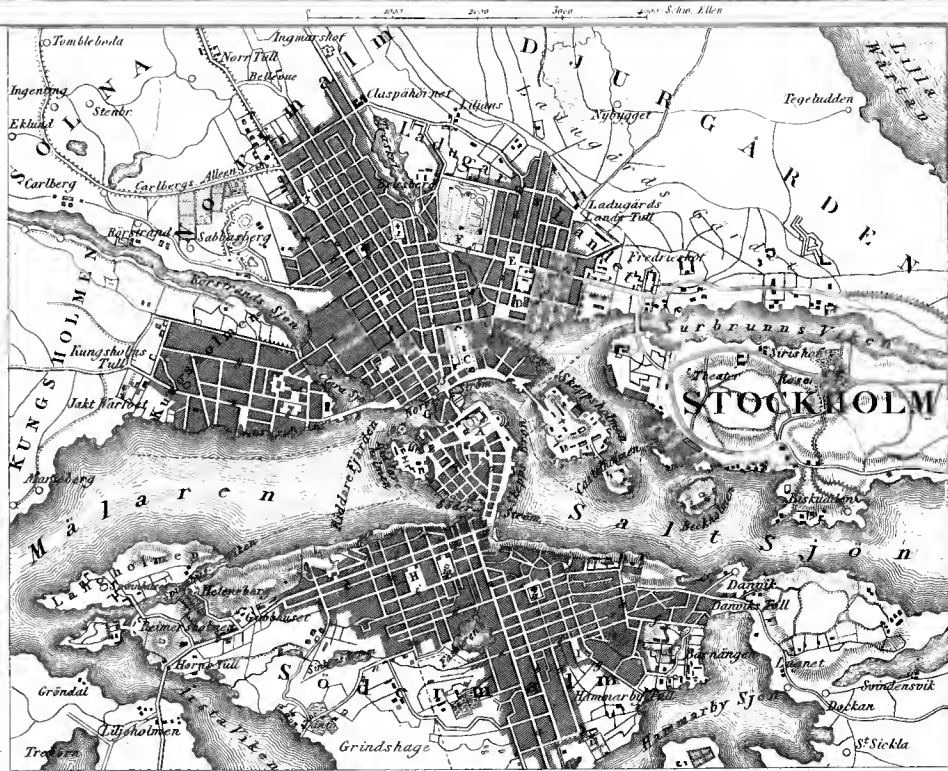




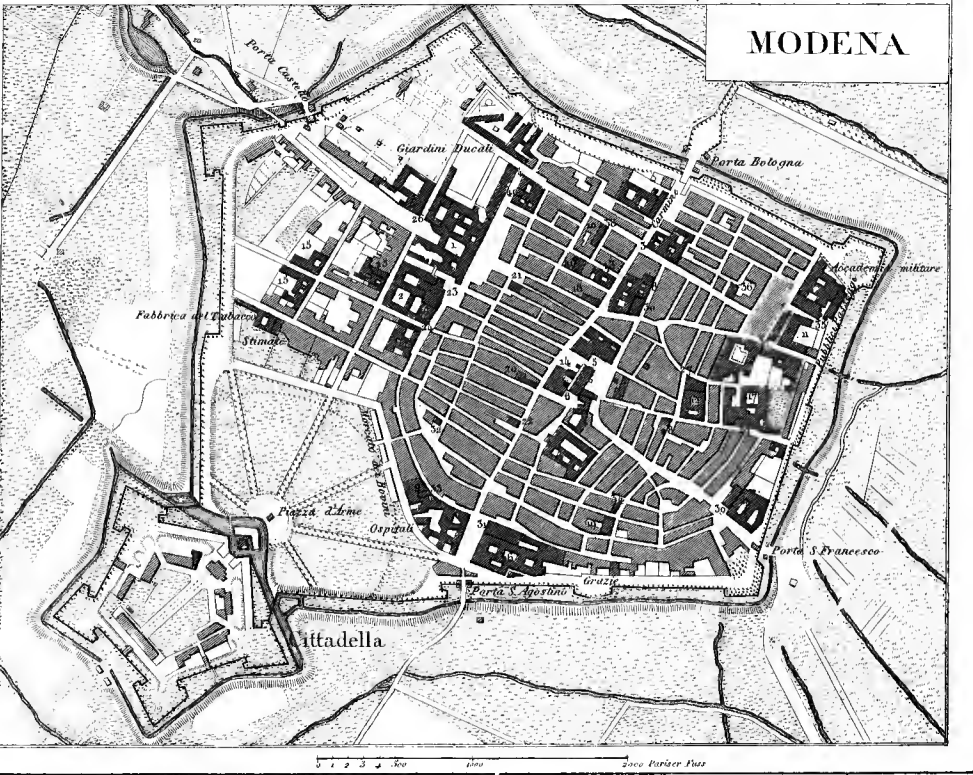
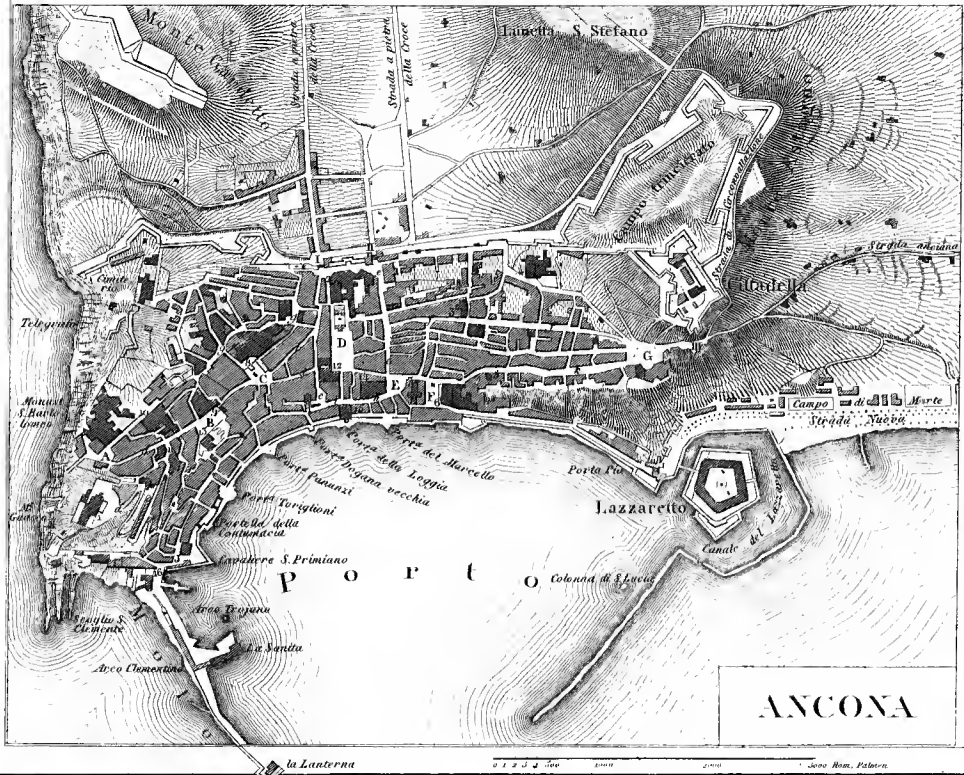
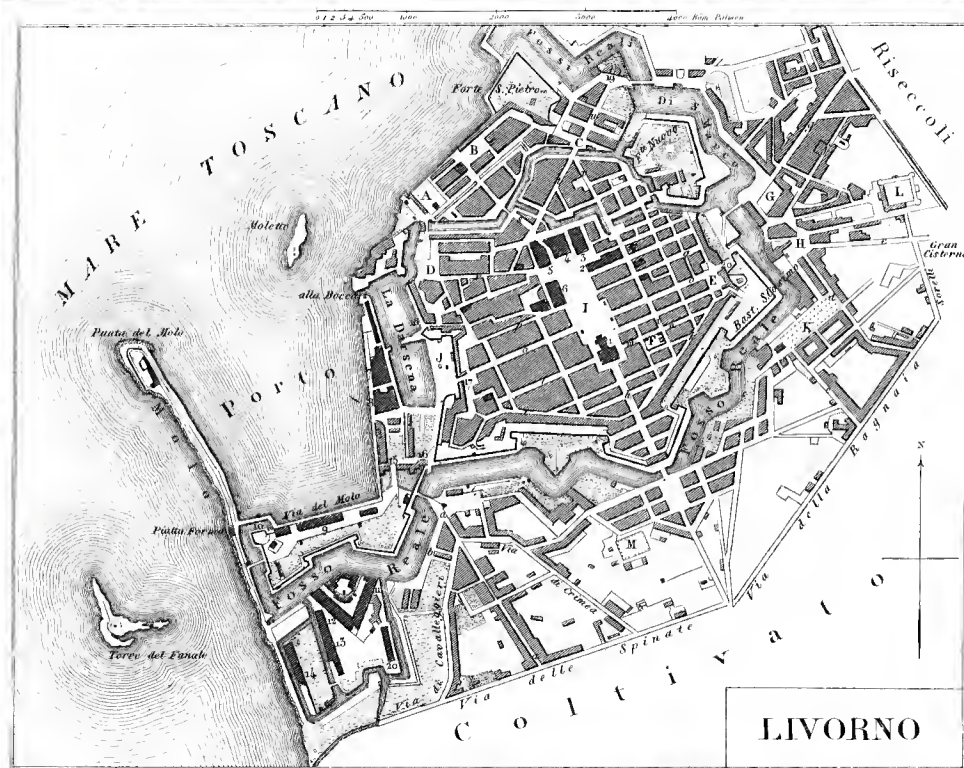

















ICONOGRAPHIC  
E N C Y C L O P Æ D I A .


DIVISION IV.

HISTORY AND ETHNOLOGY.

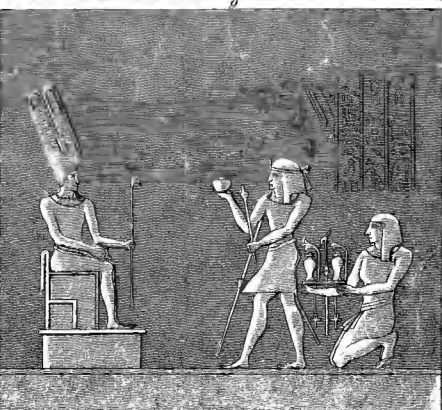
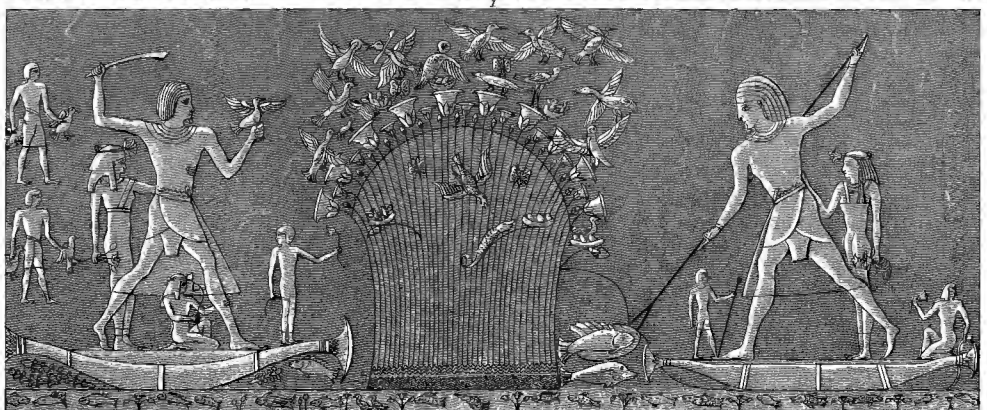
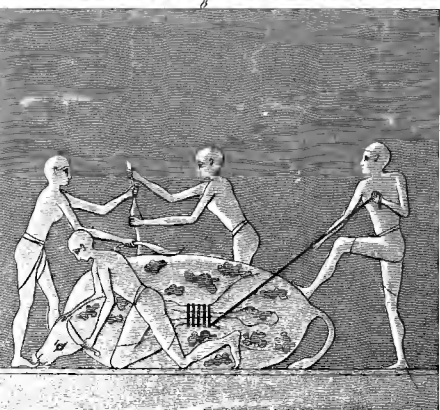
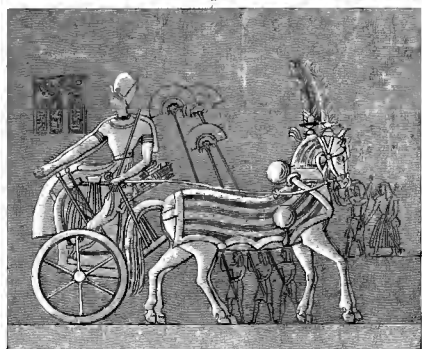
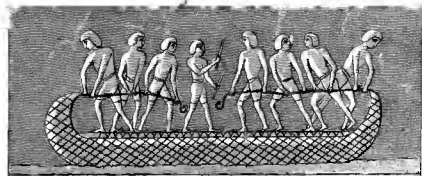
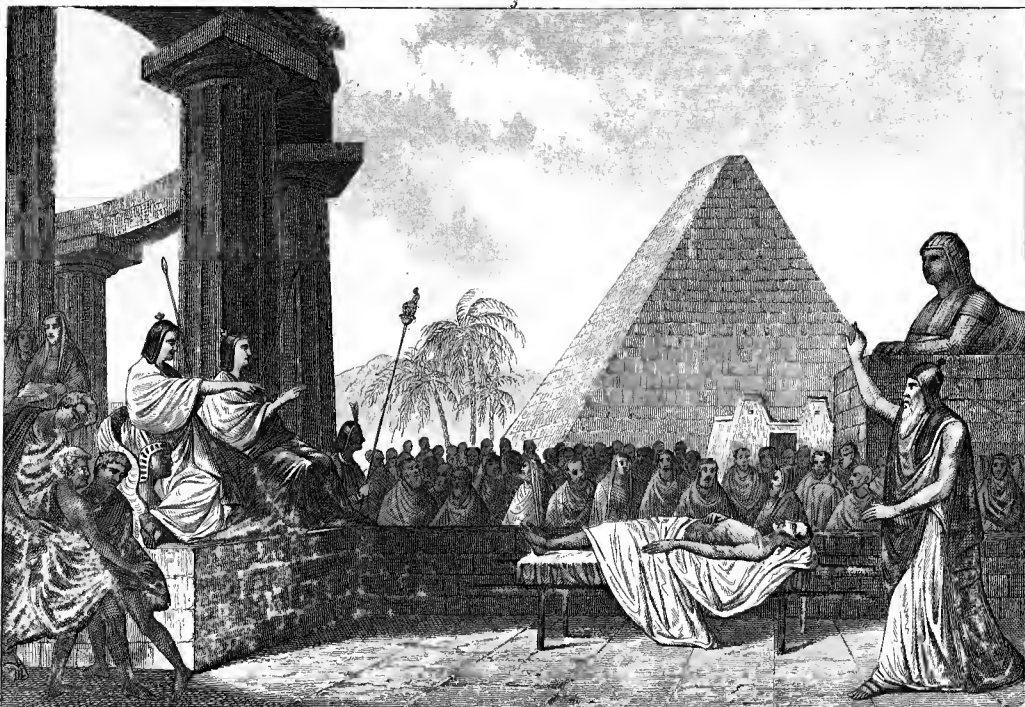
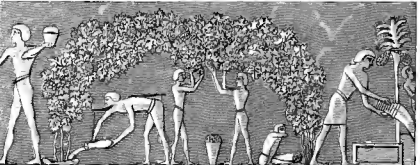
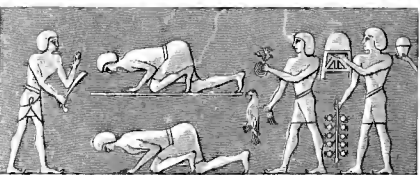
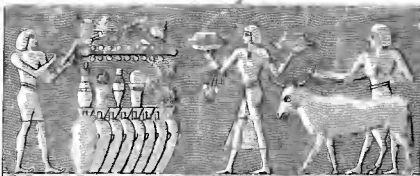
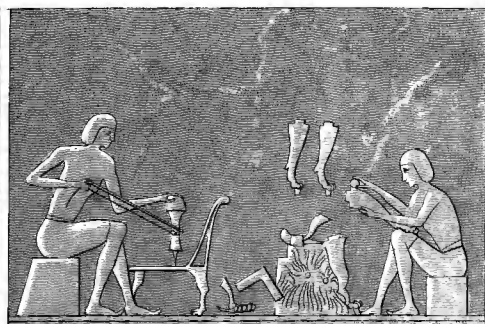
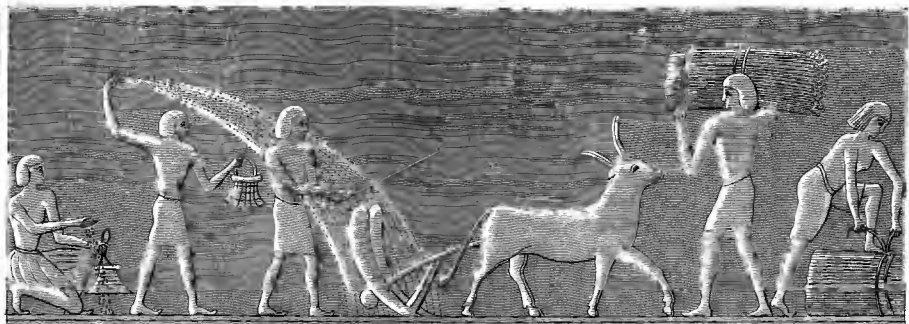
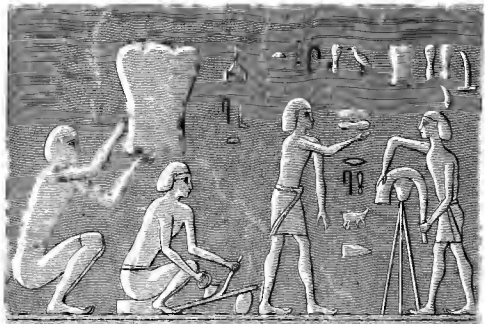
EIGHTY-ONE PLATES.

---

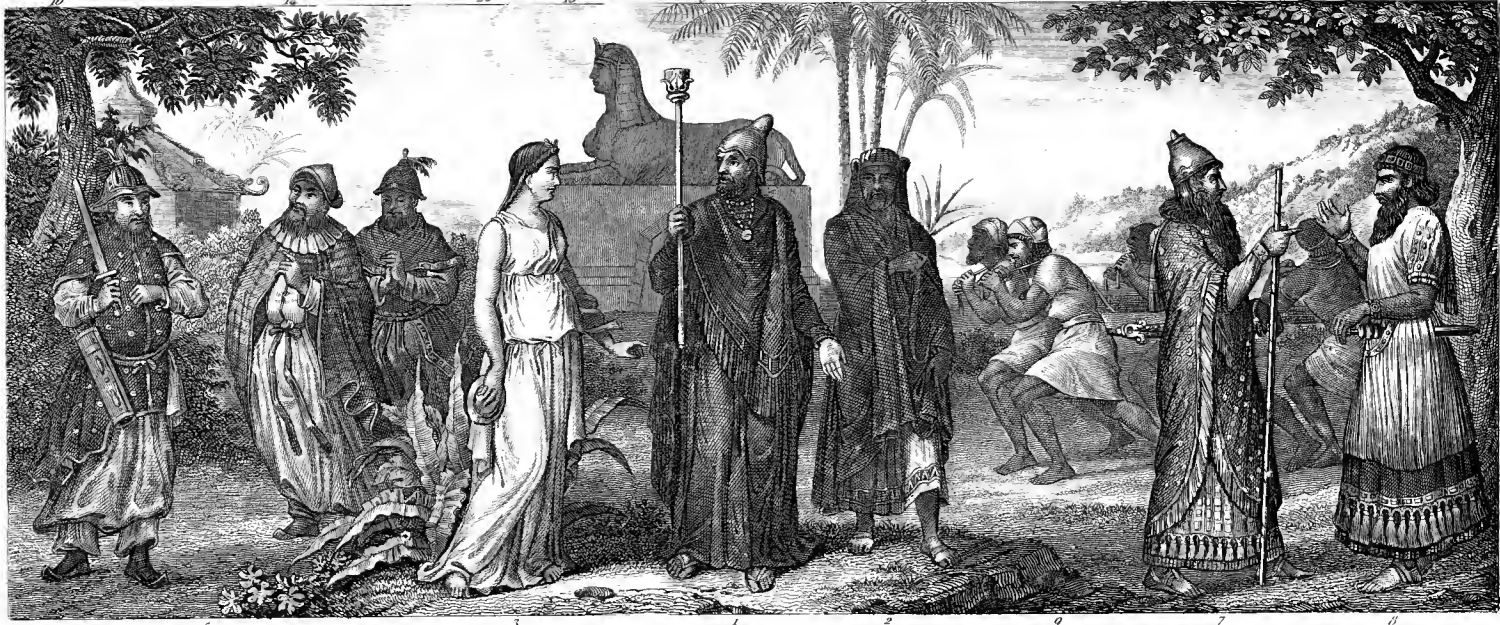
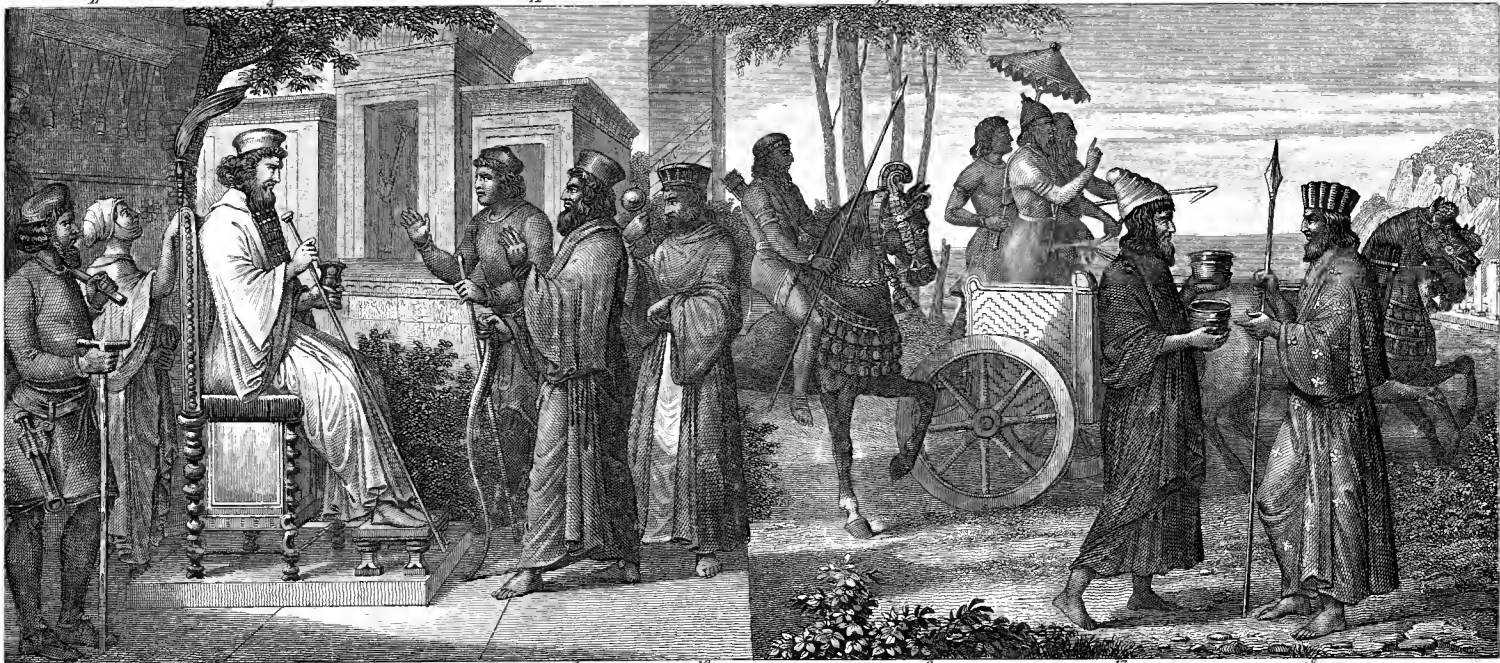
NEW YORK: 1851.  
PUBLISHED BY RUDOLPH GARRIGUE,  
2 BARCLAY STREET (ASTOR HOUSE).



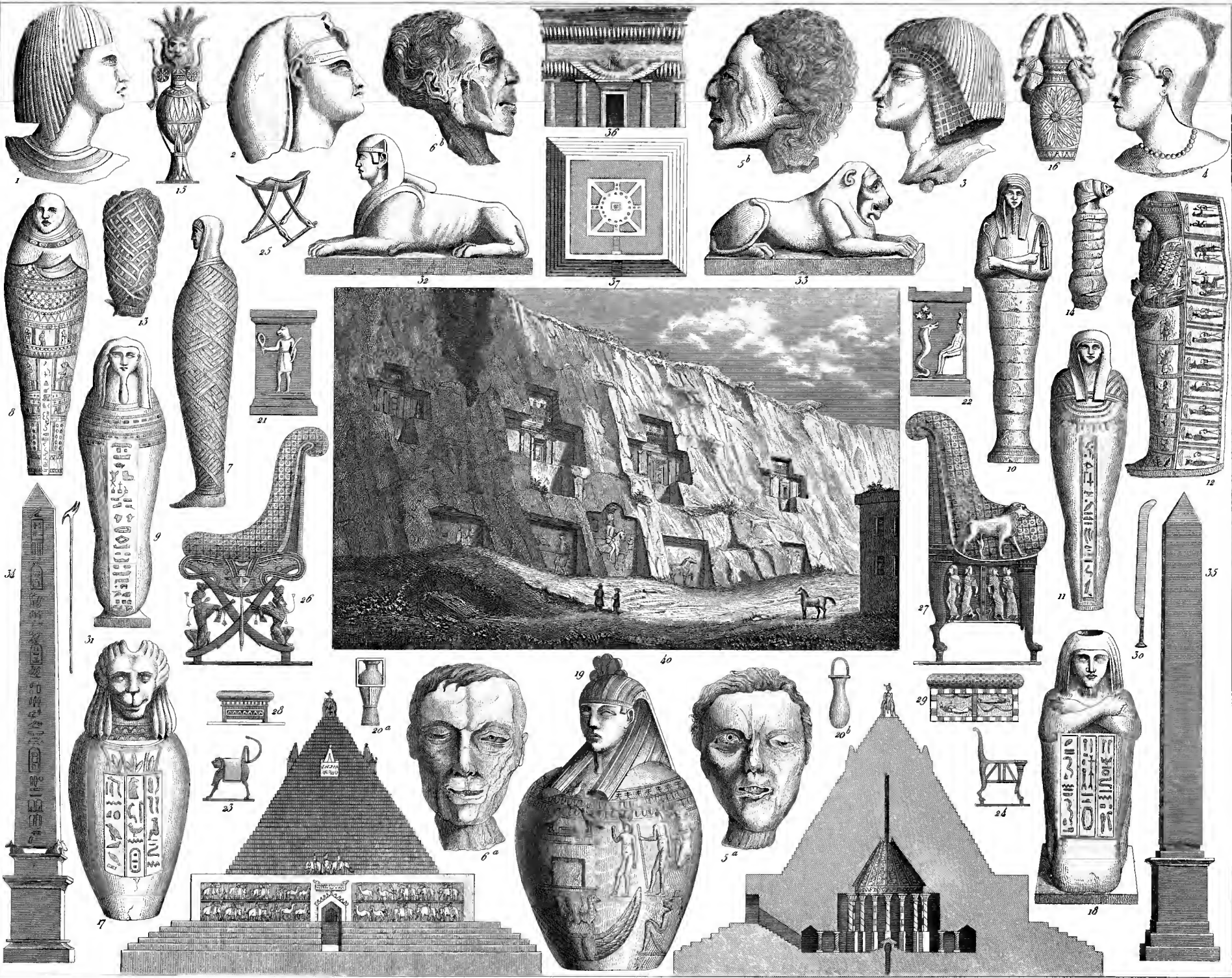








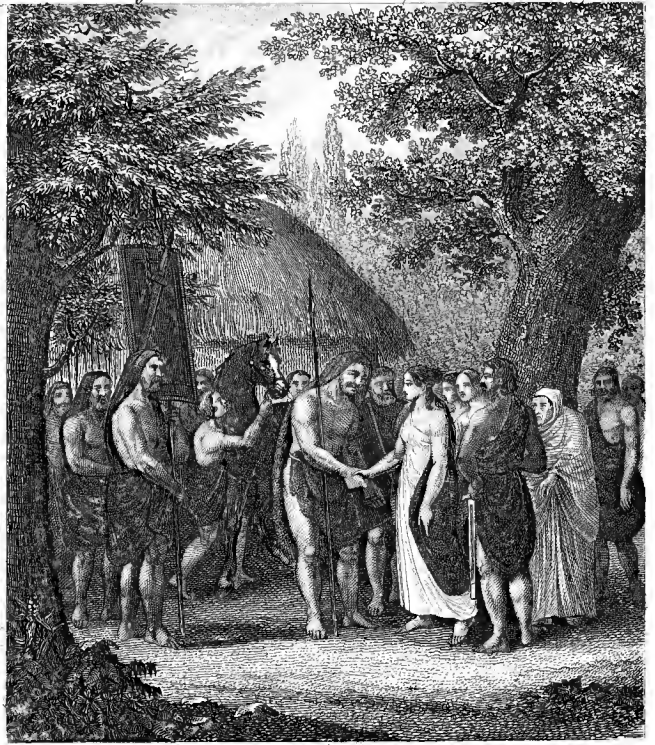
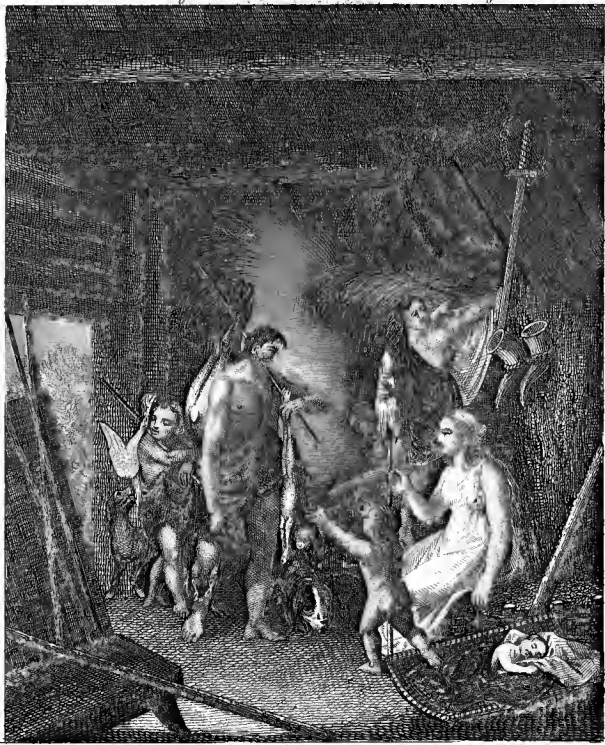
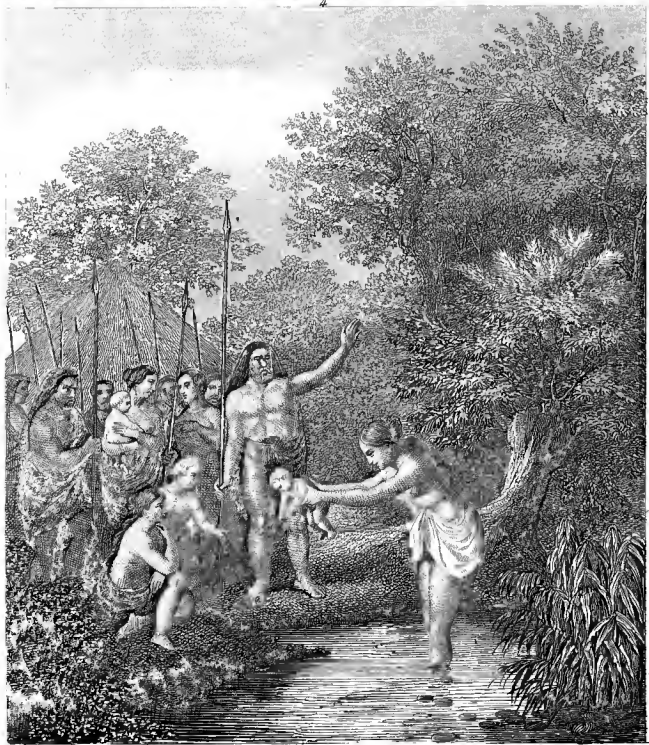
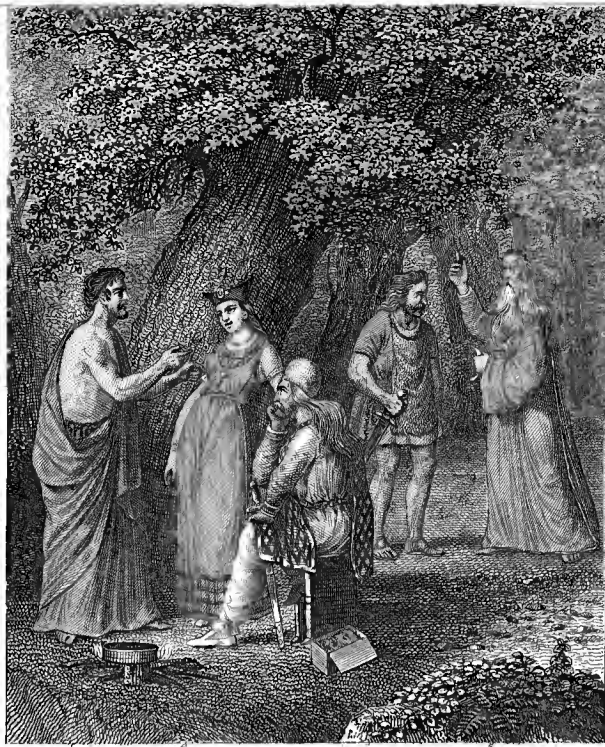
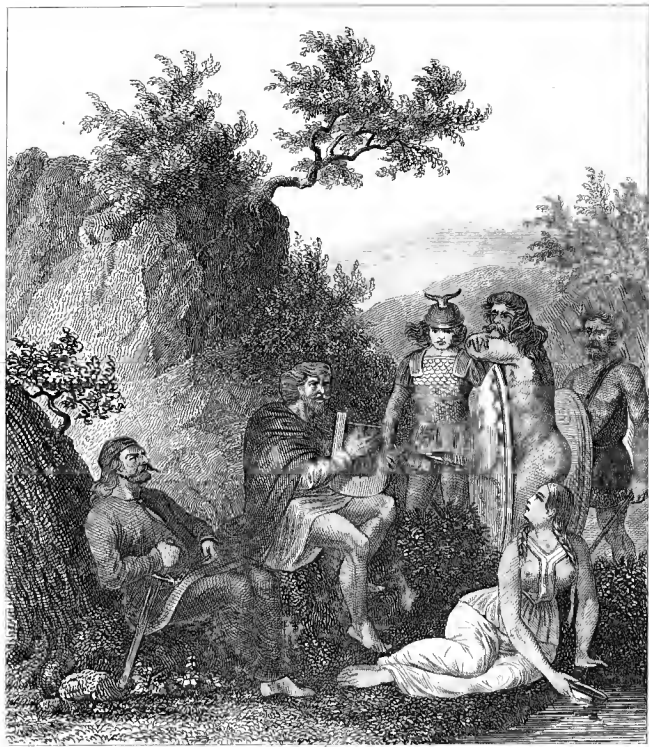




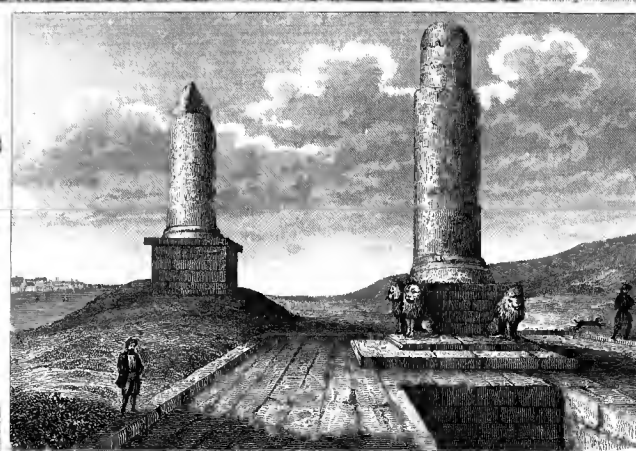
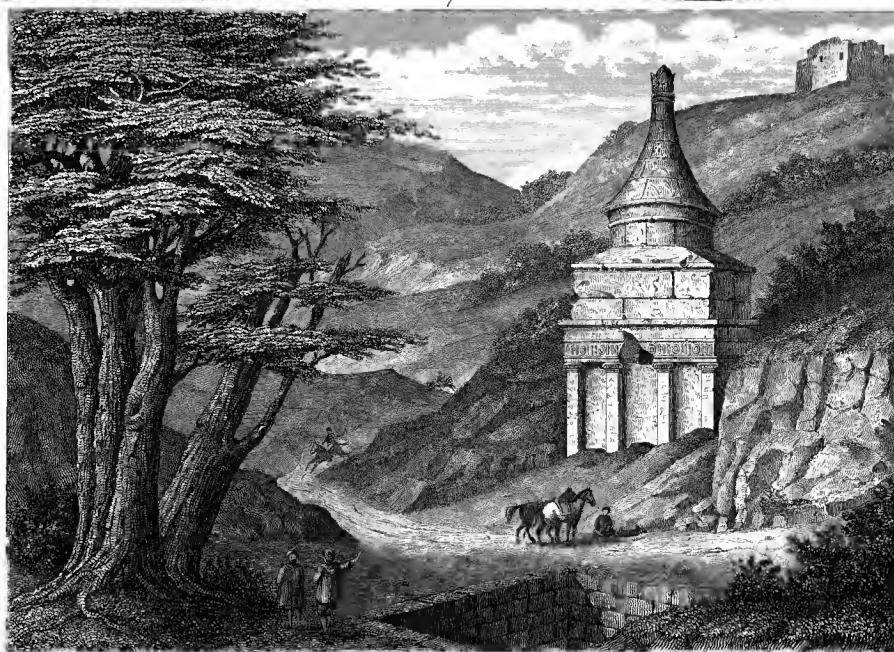
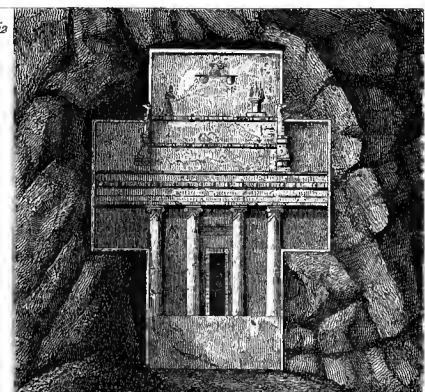
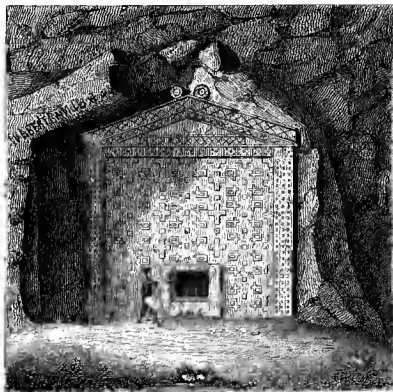




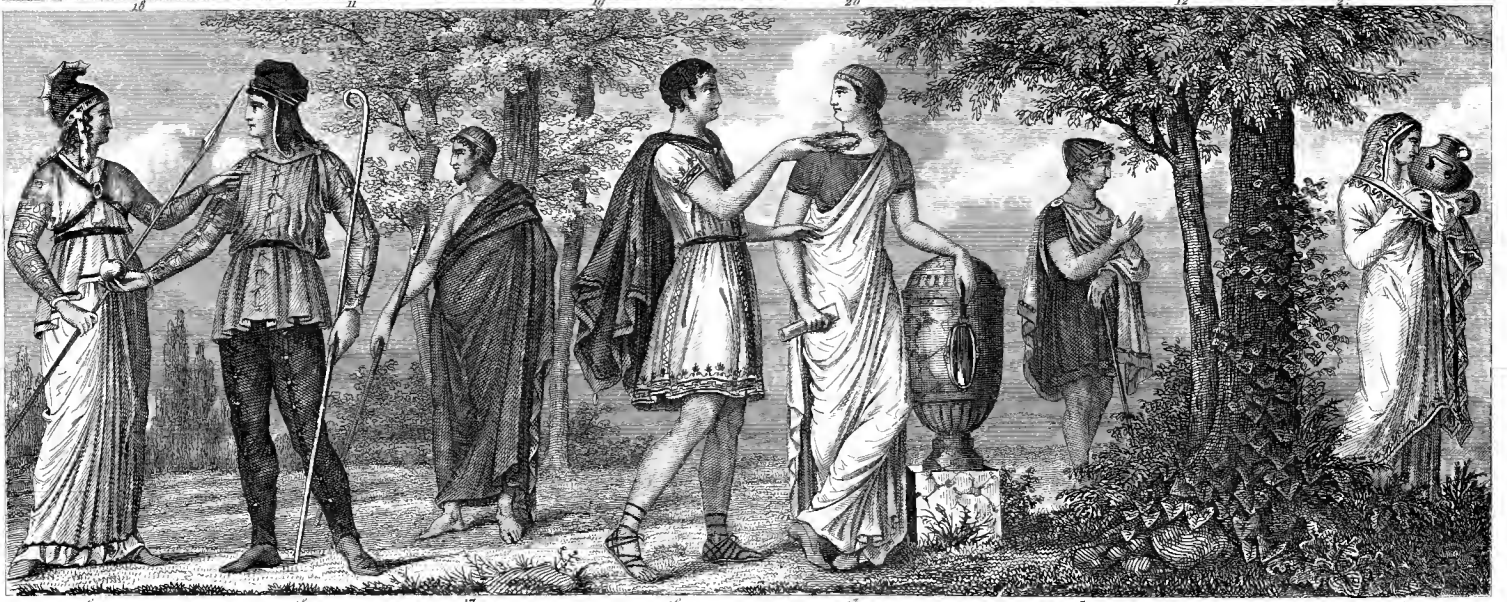




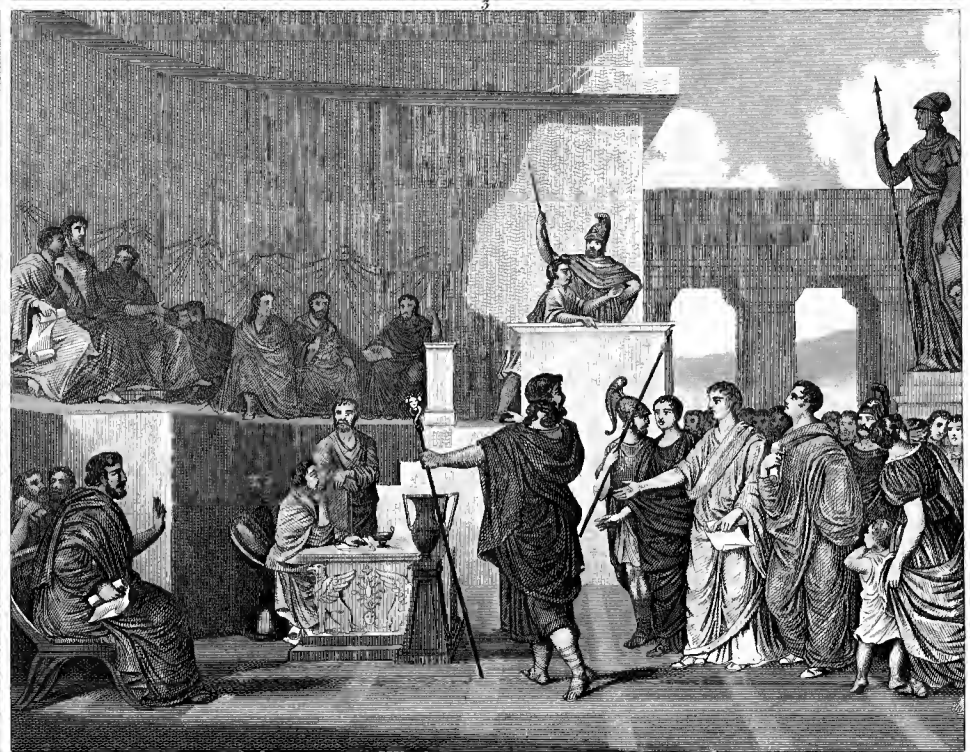
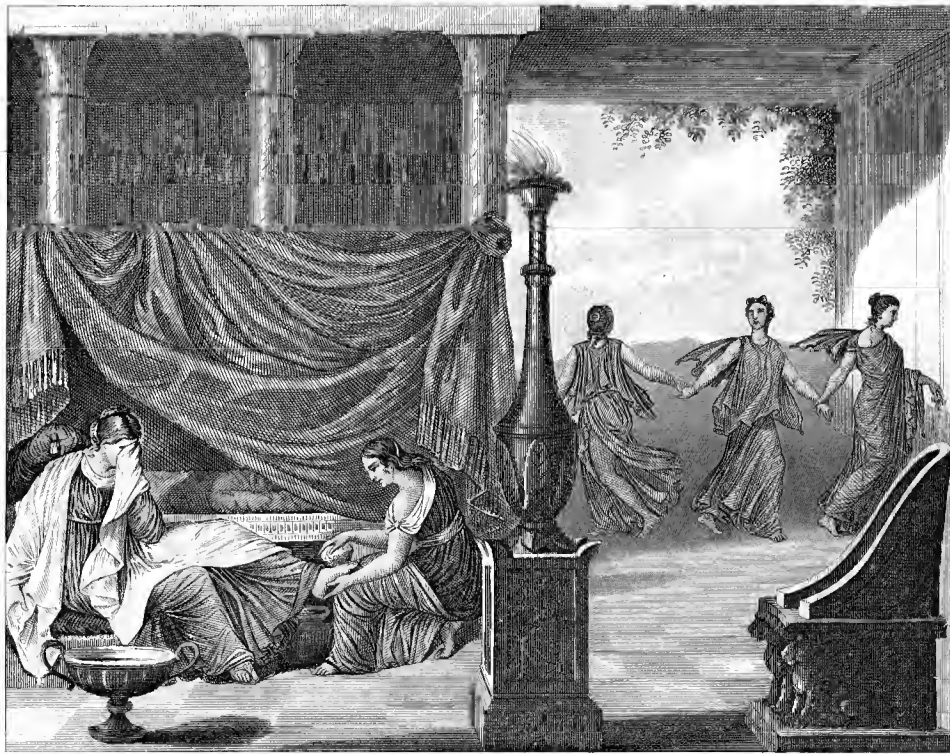




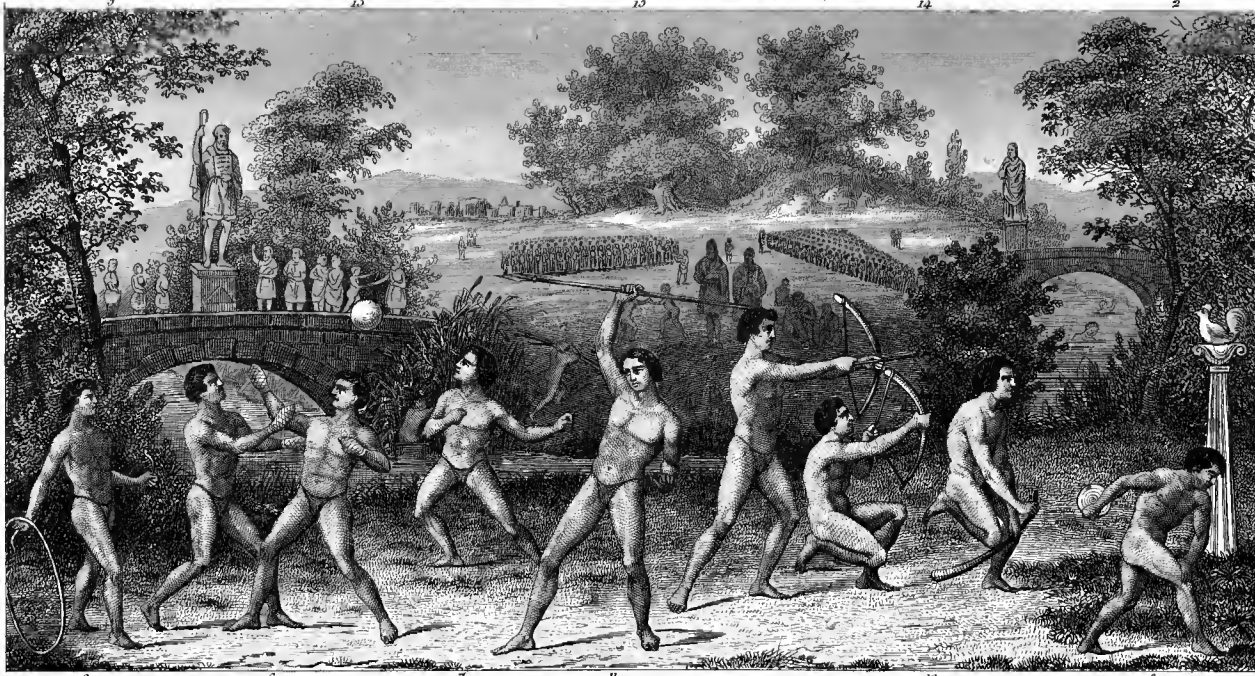
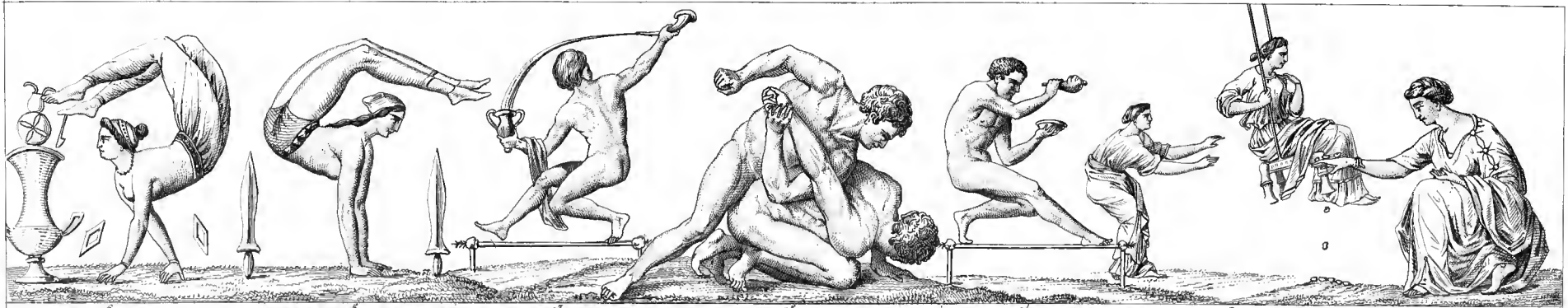








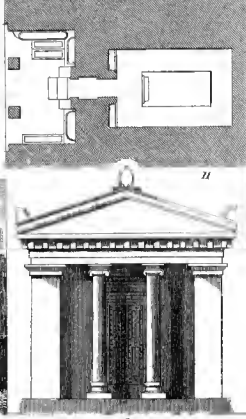
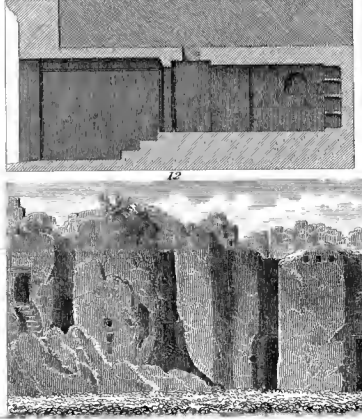
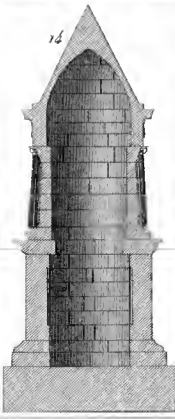
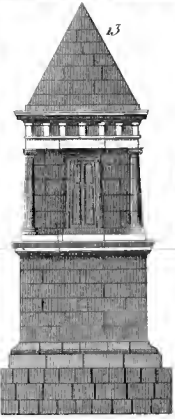
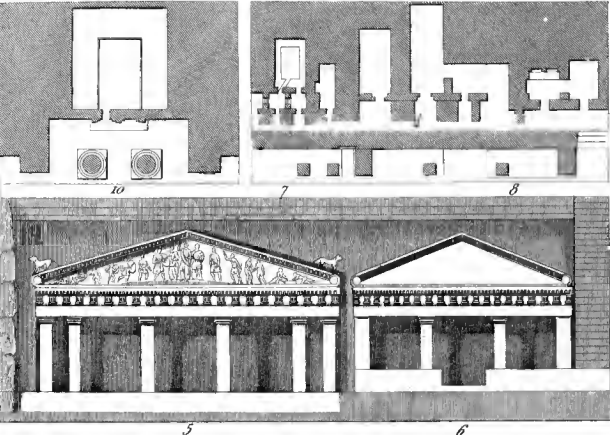
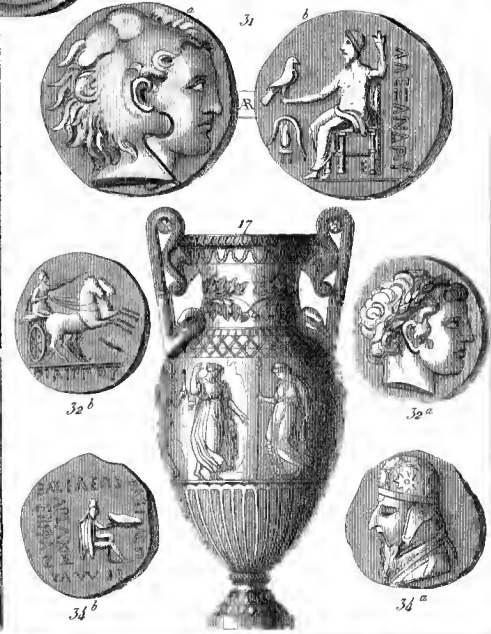
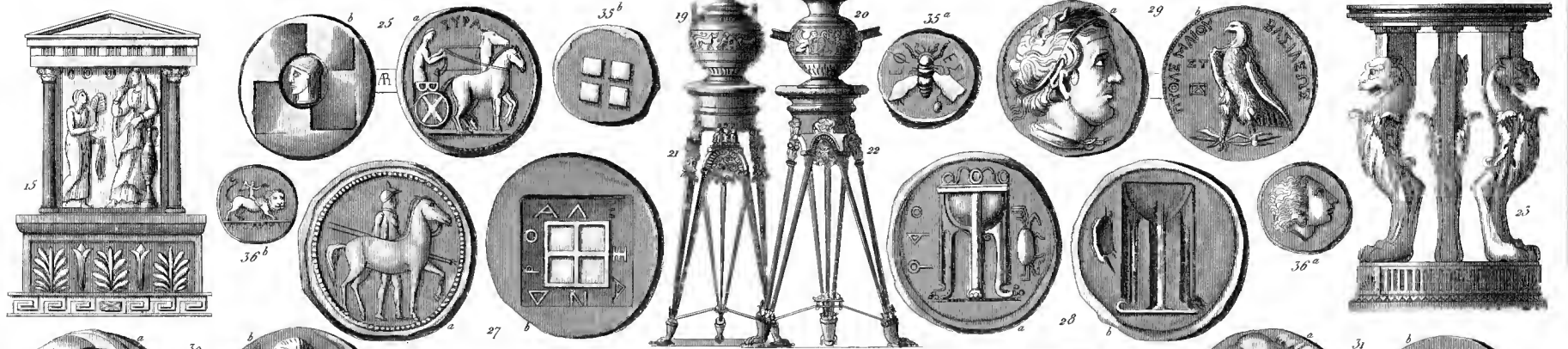












6 Heck dar!

zu Figur 4

zu Figur 5 &

Maasstäbe in Metres.

zu Figur 11

zu Figur 9 & 10

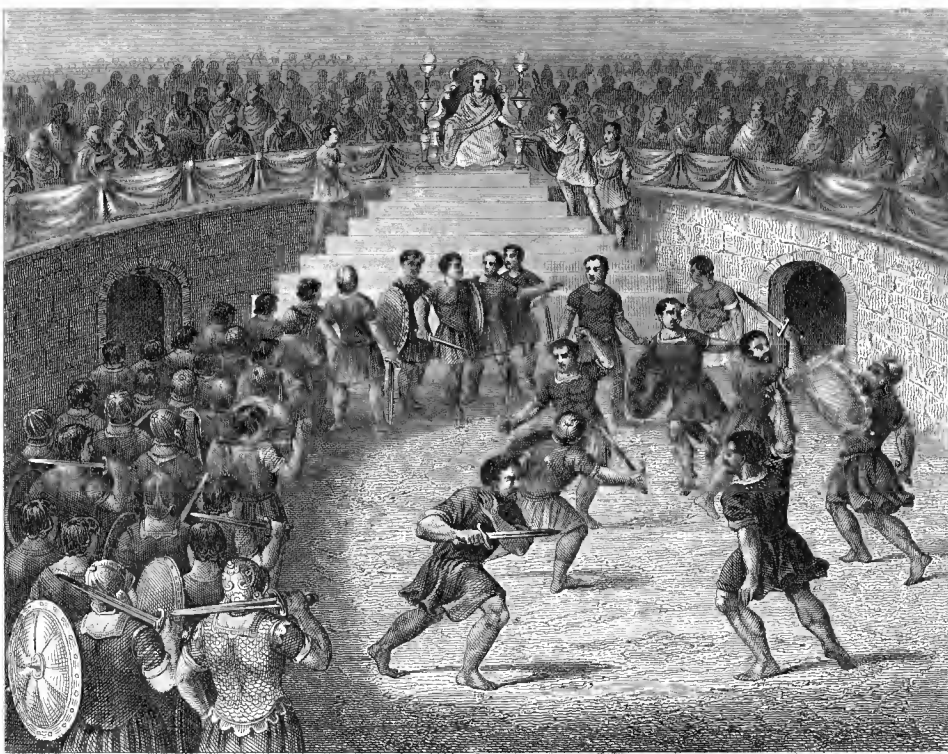
zu Figur 13 & 14

Henry Worles sculp.

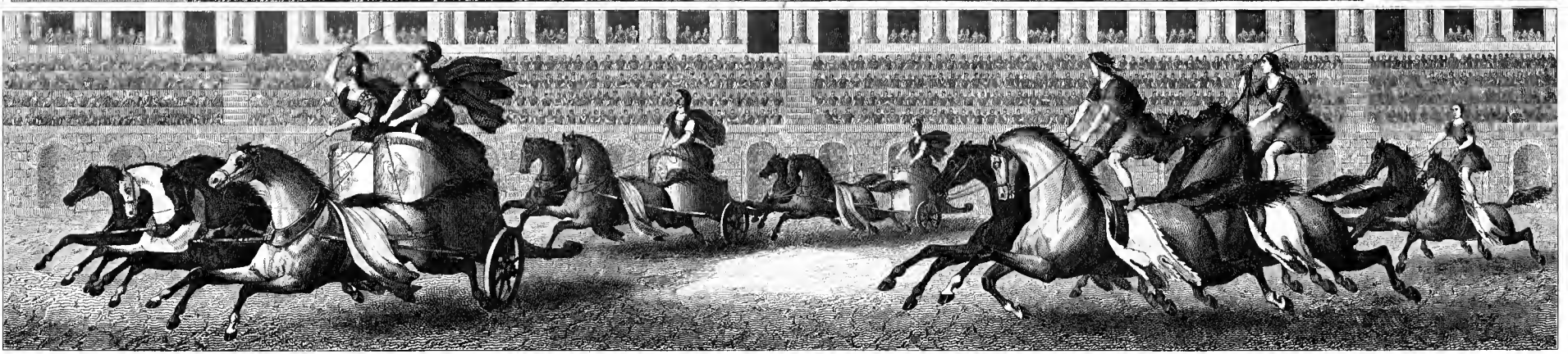
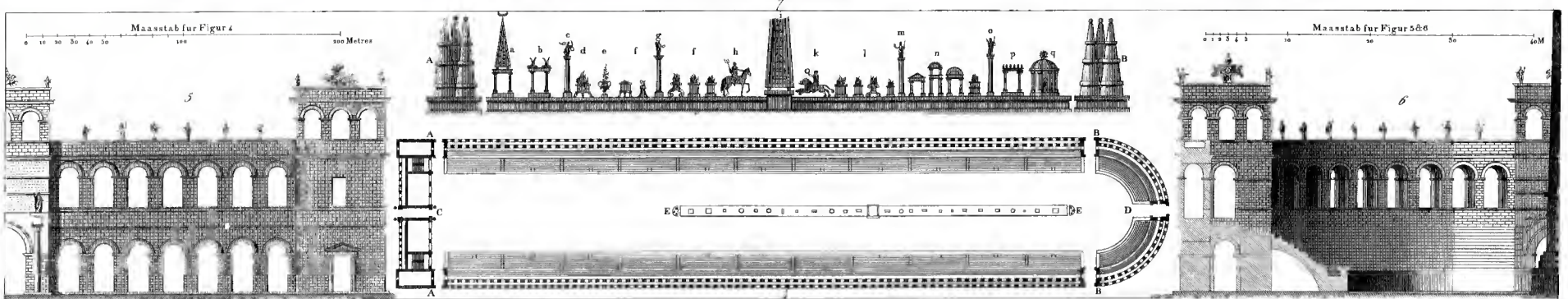














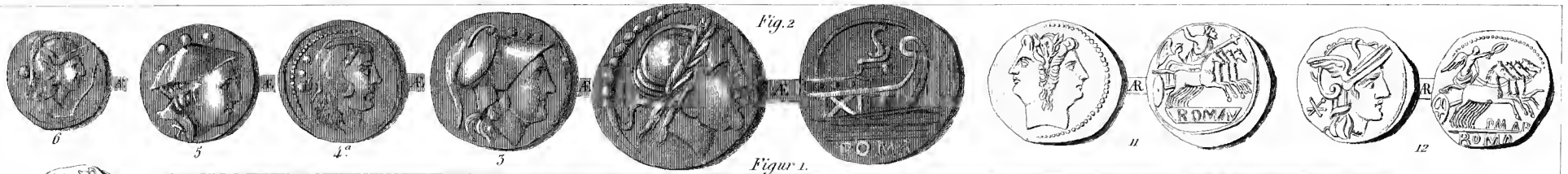
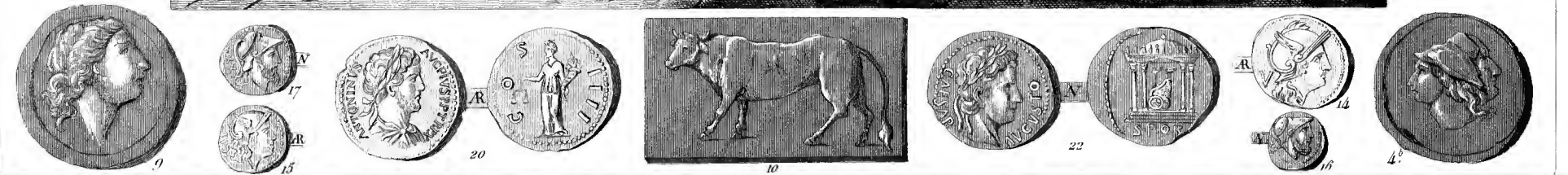
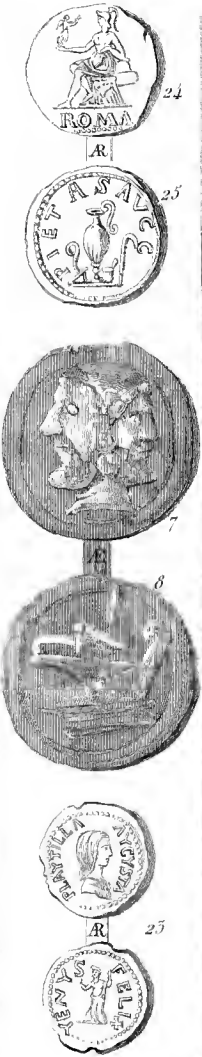


Fig. 2

Fig. 1



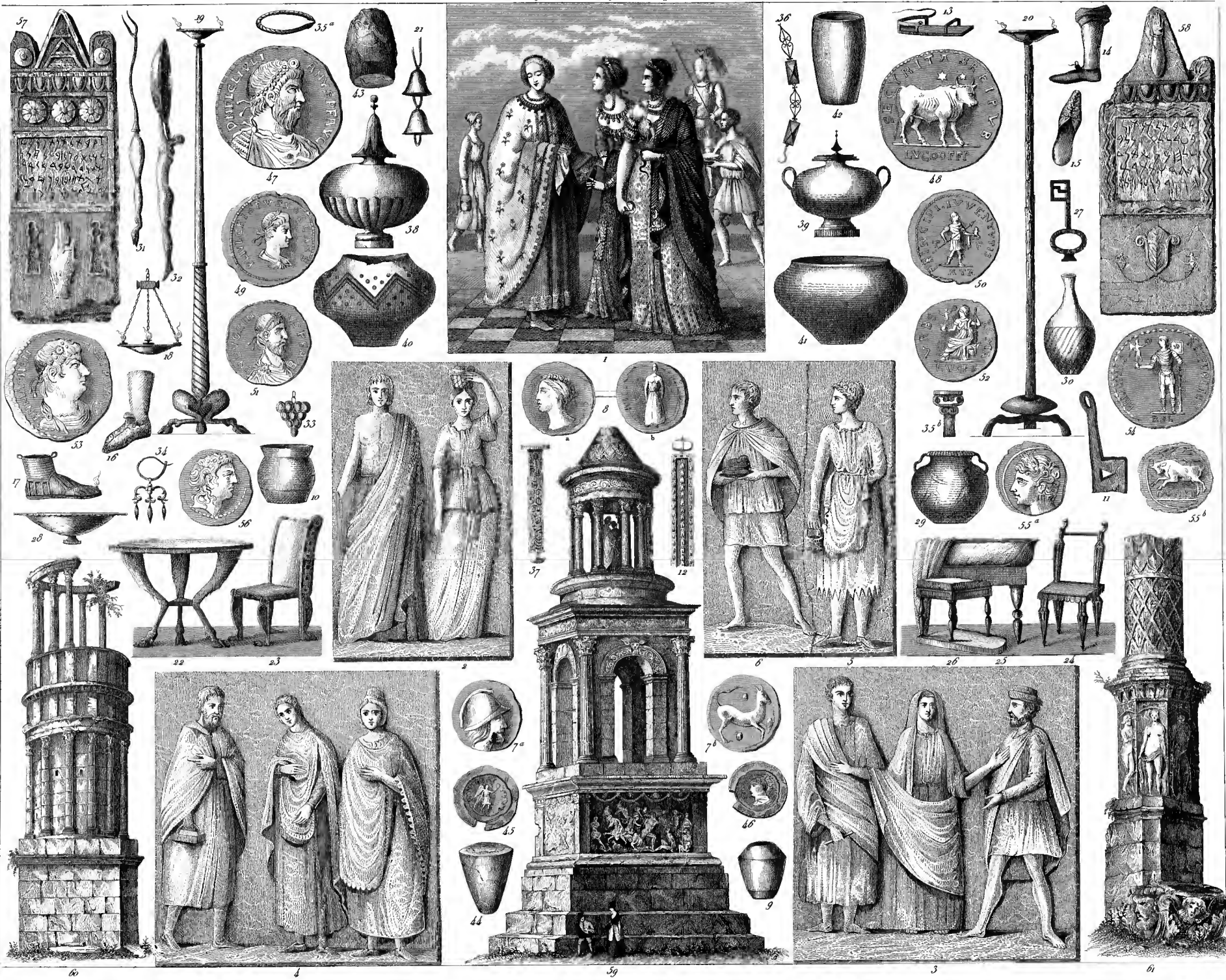




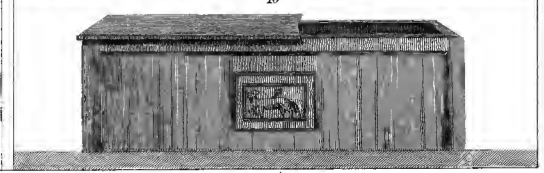
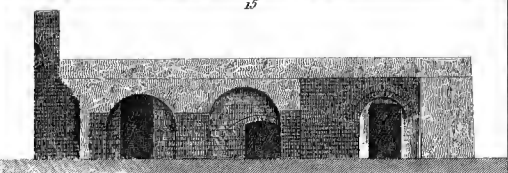
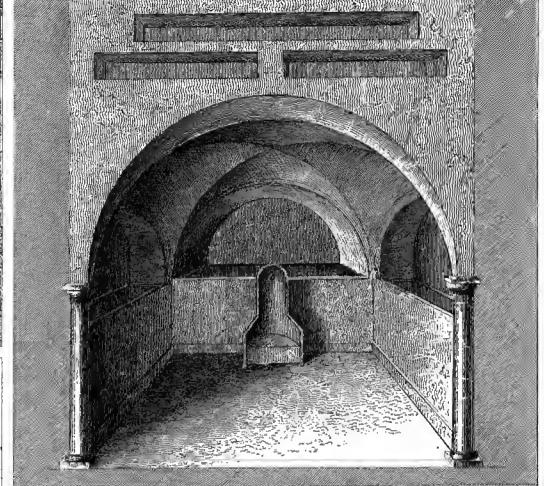
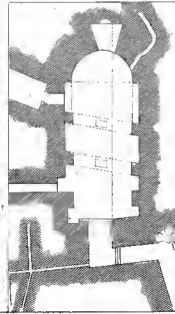
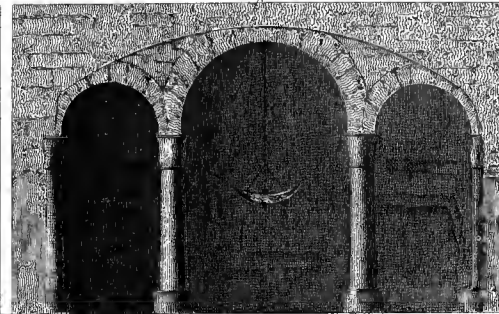
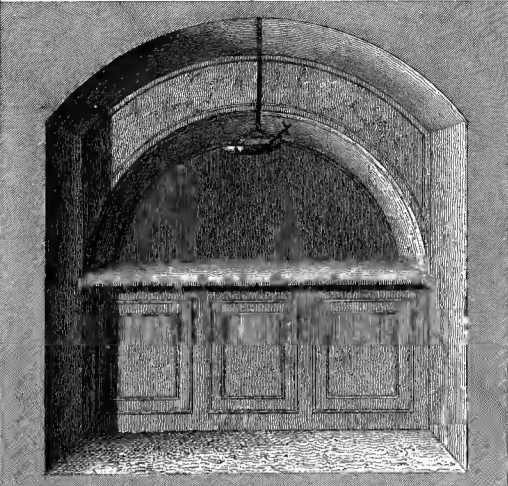
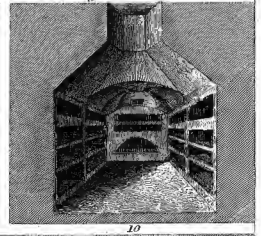
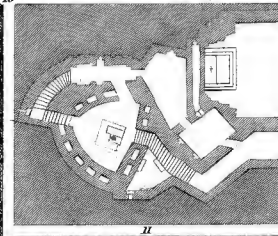
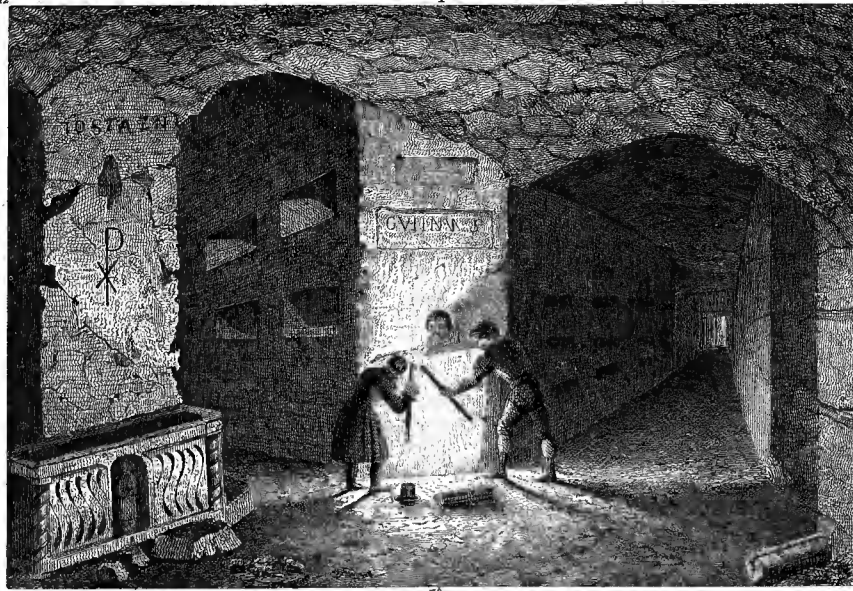
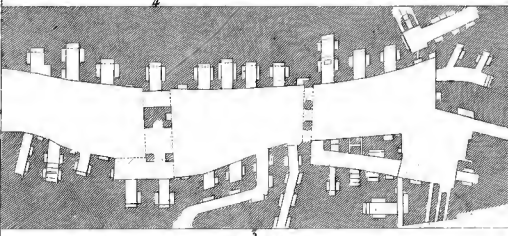
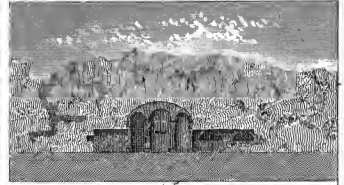
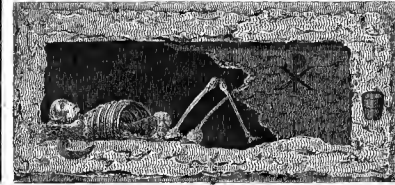
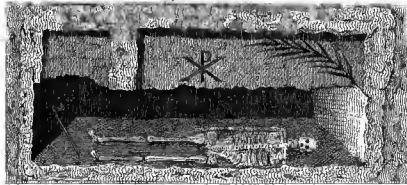
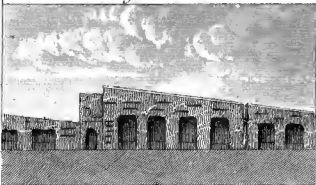
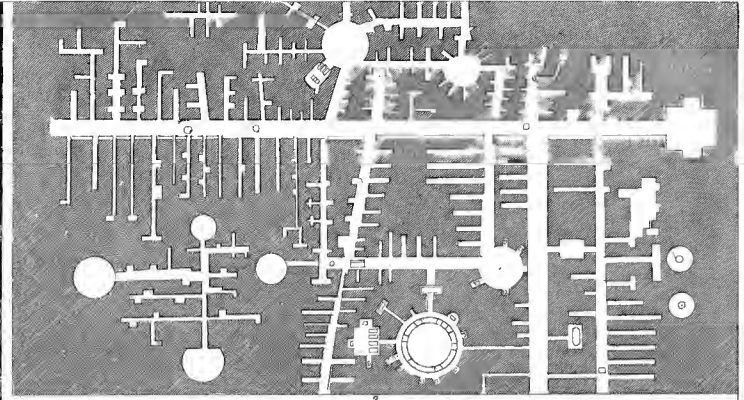
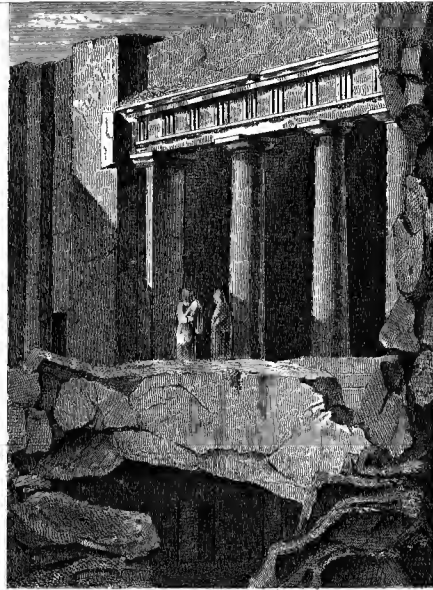
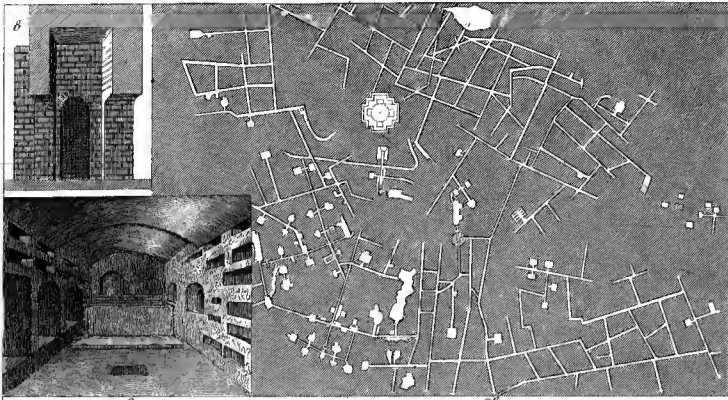












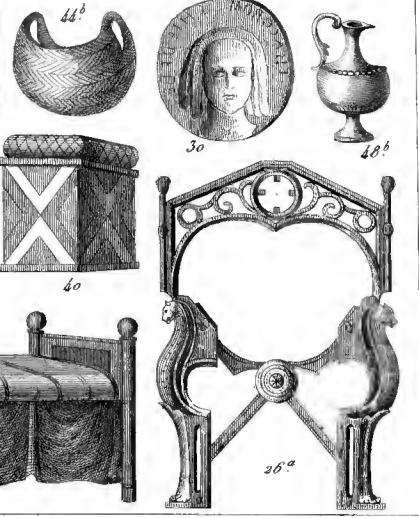
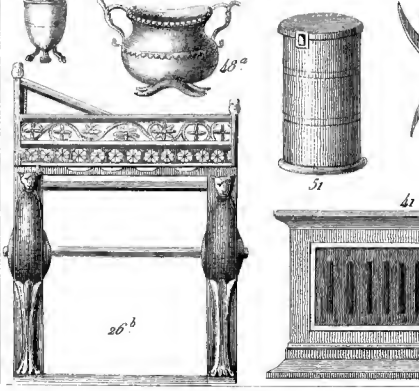
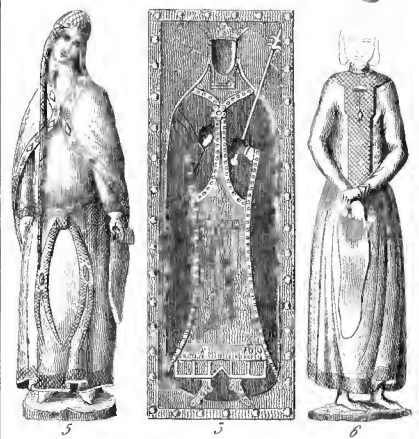




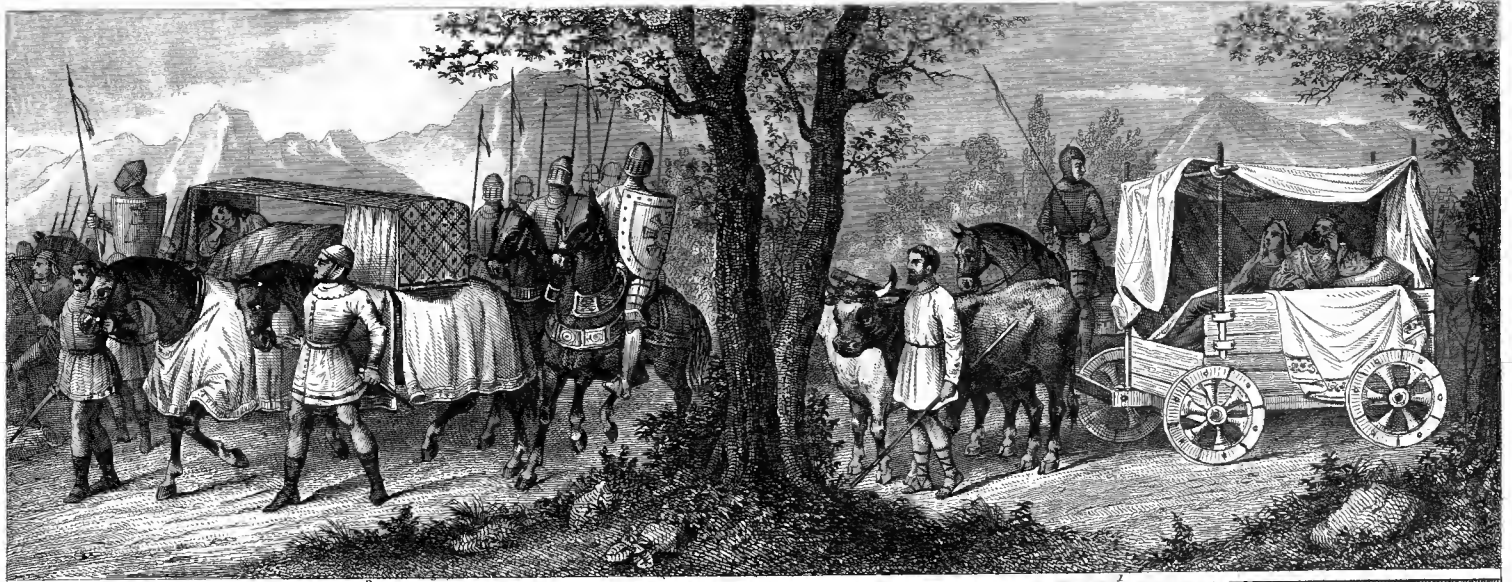
















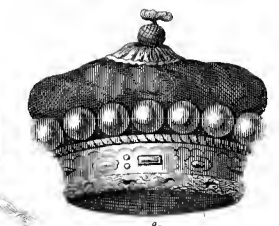
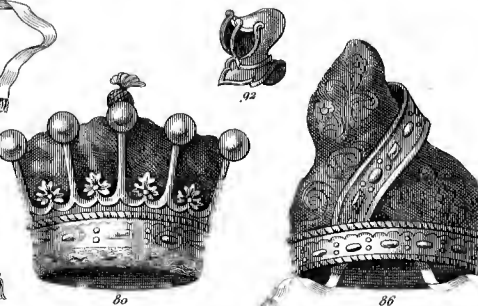
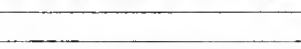
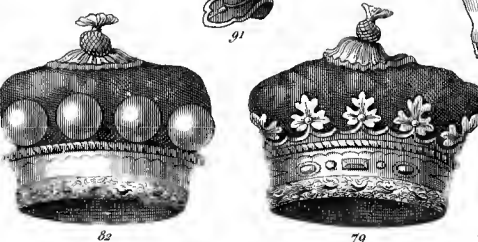
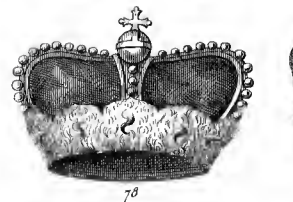
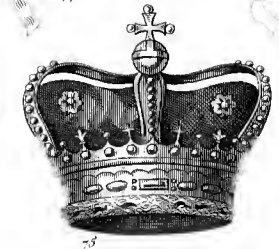
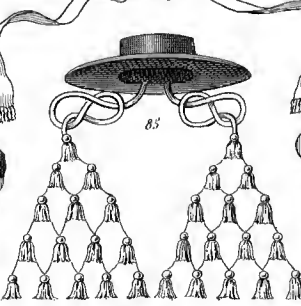
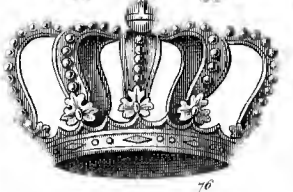
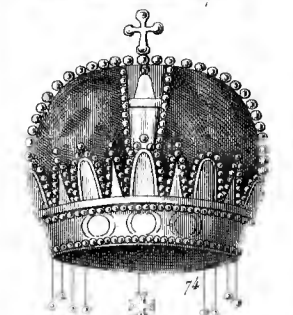
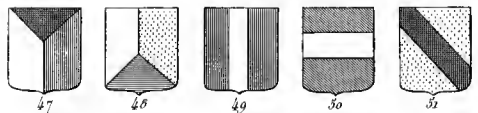
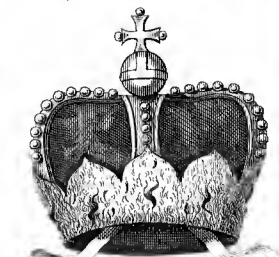
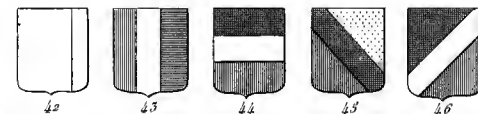
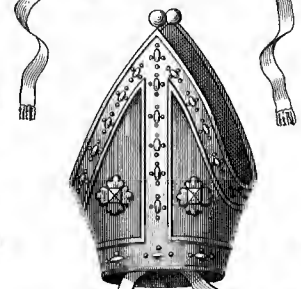
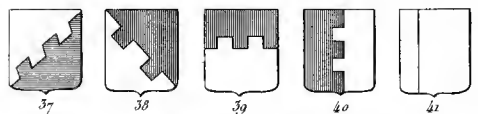
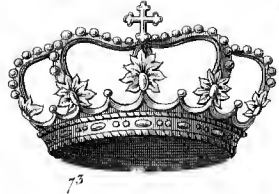
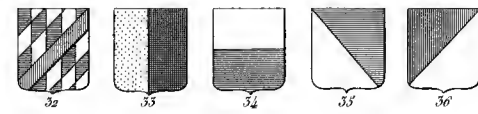
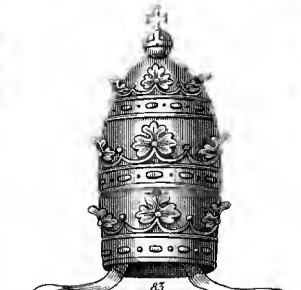
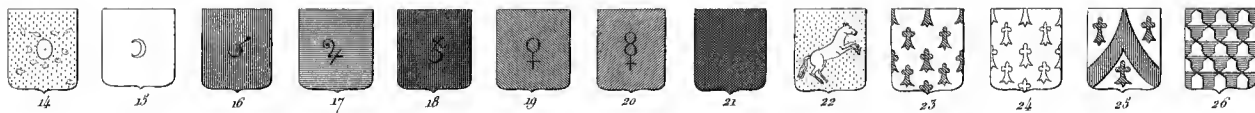
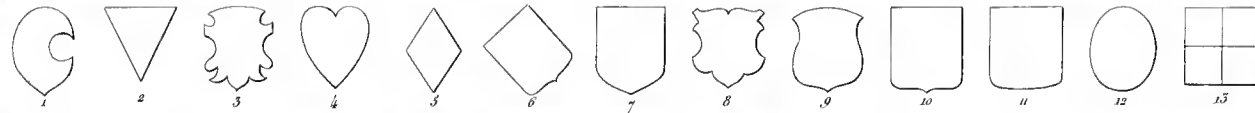
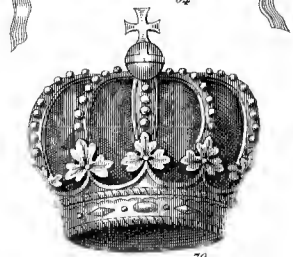
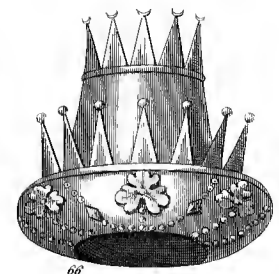
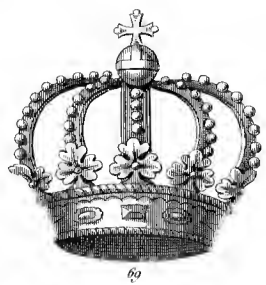
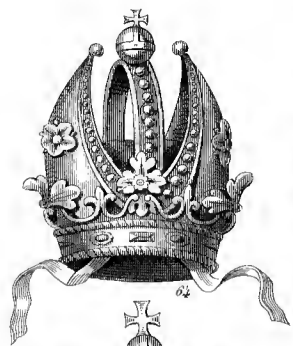




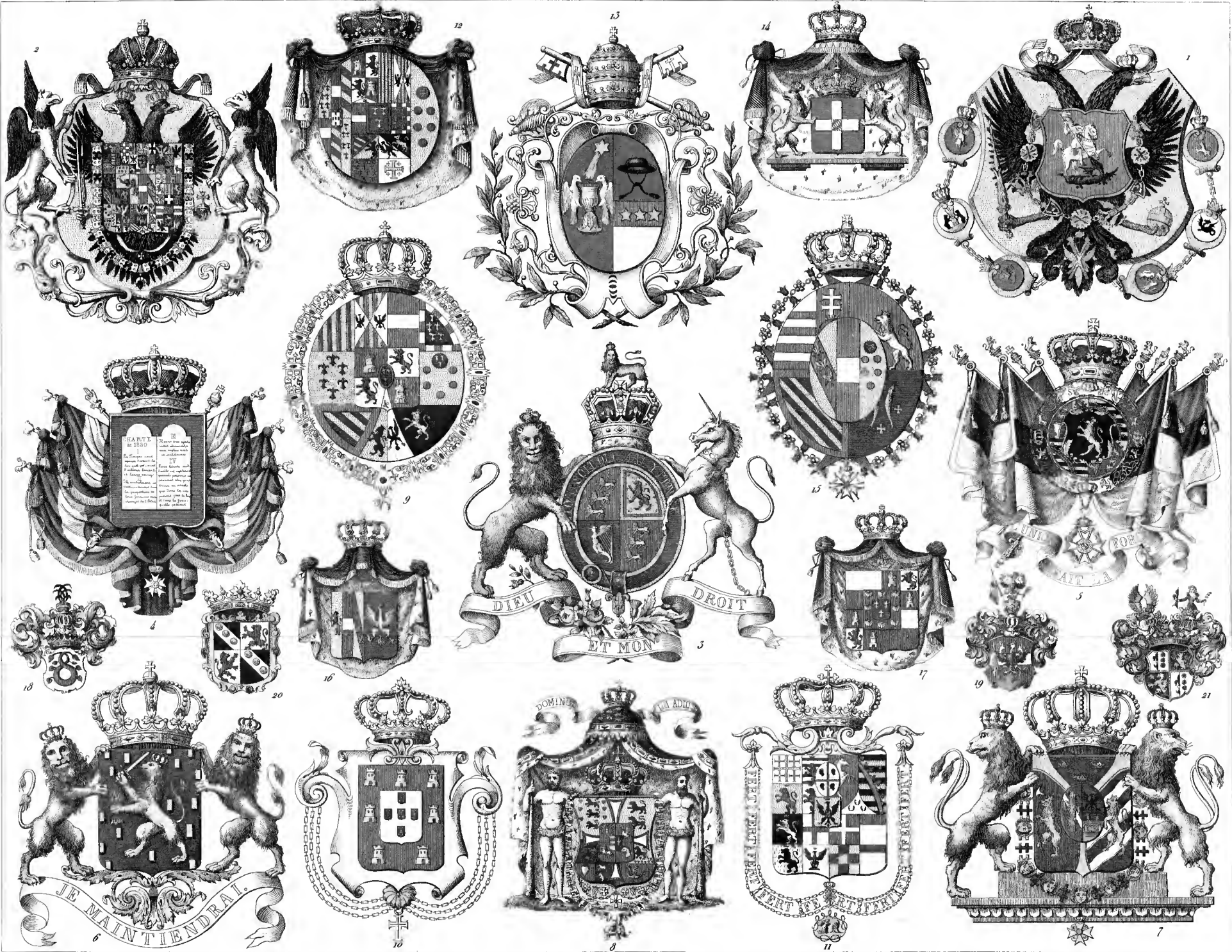








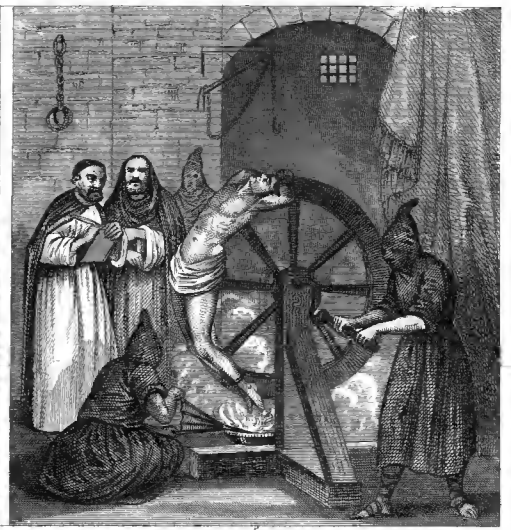
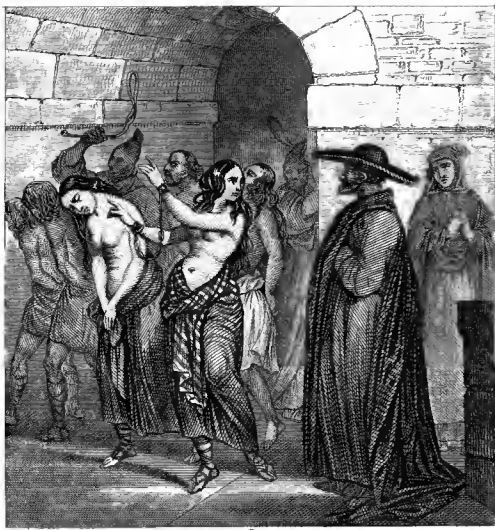




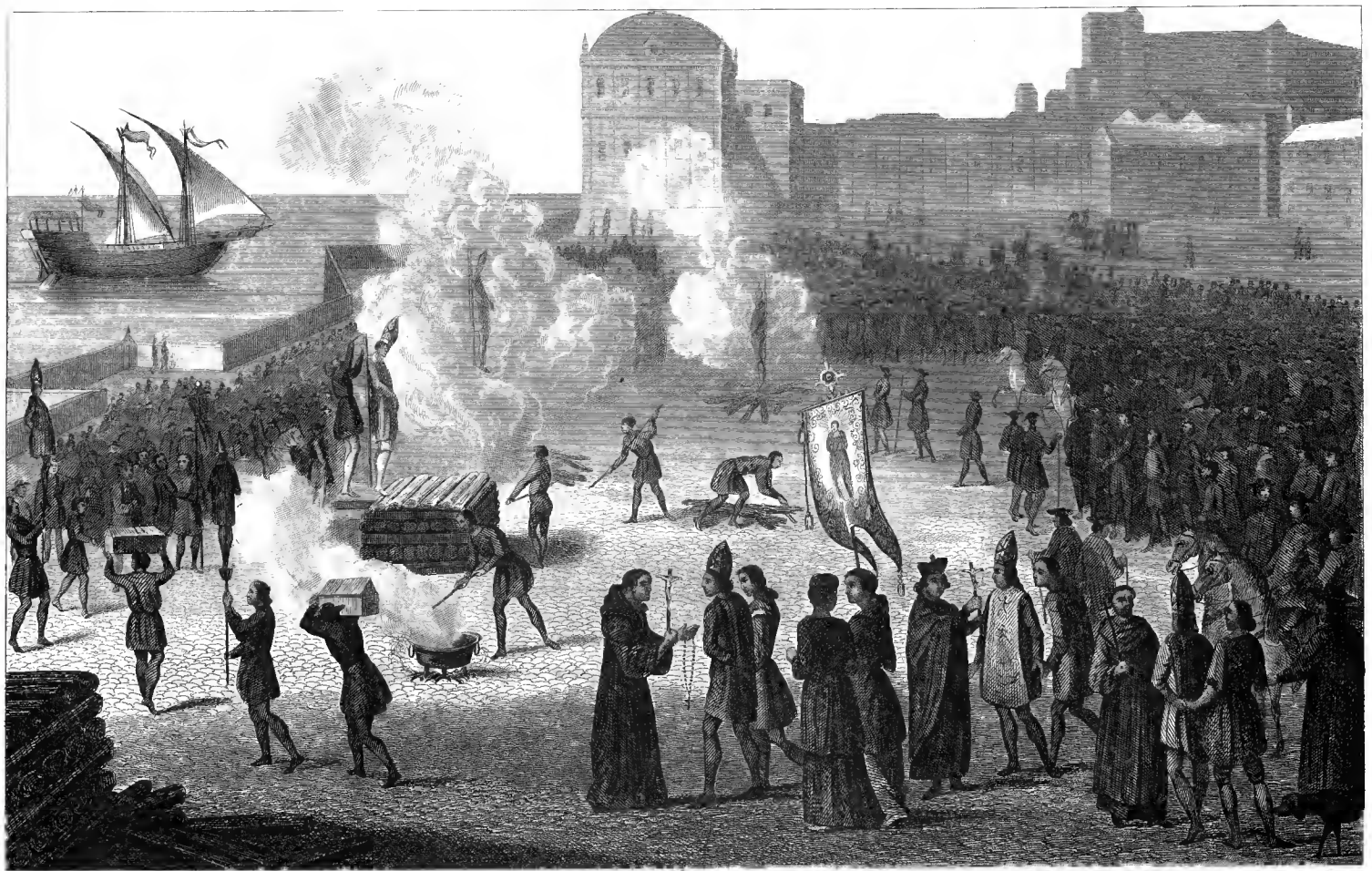










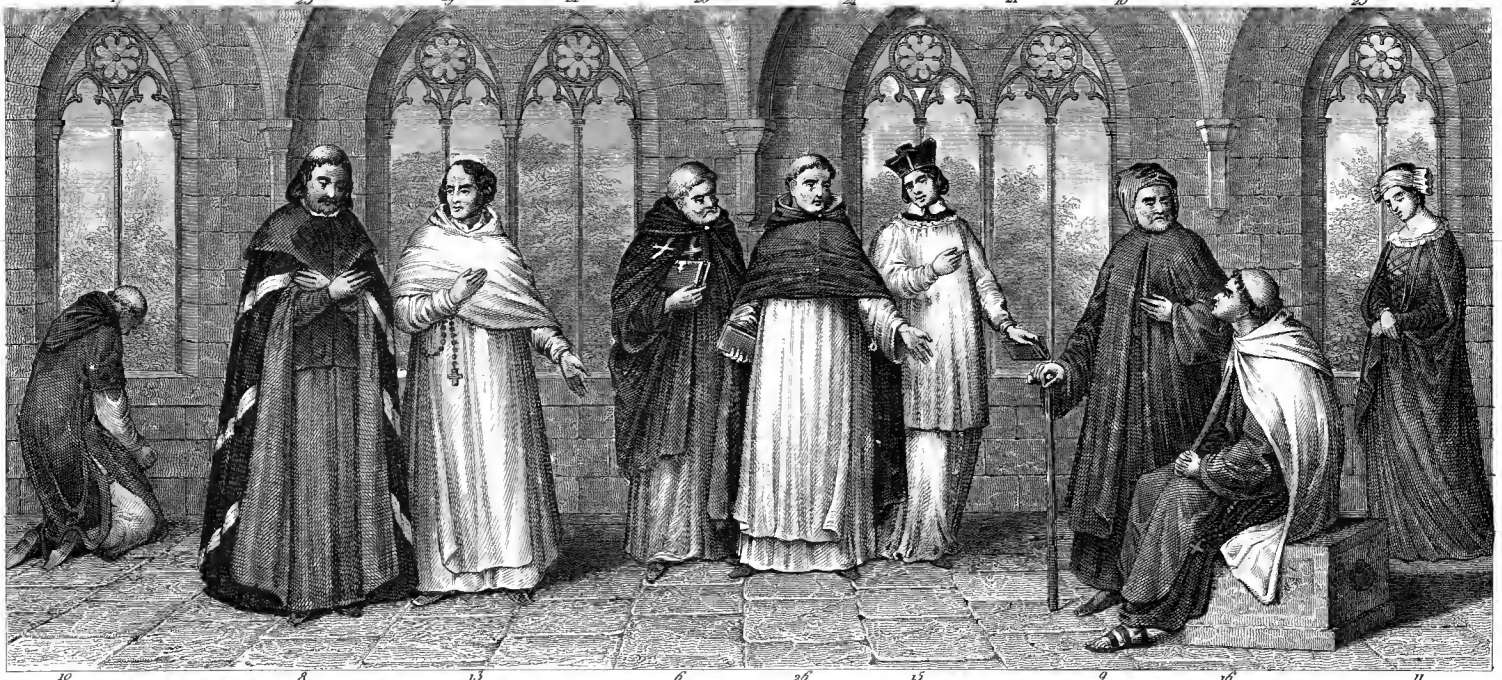


3

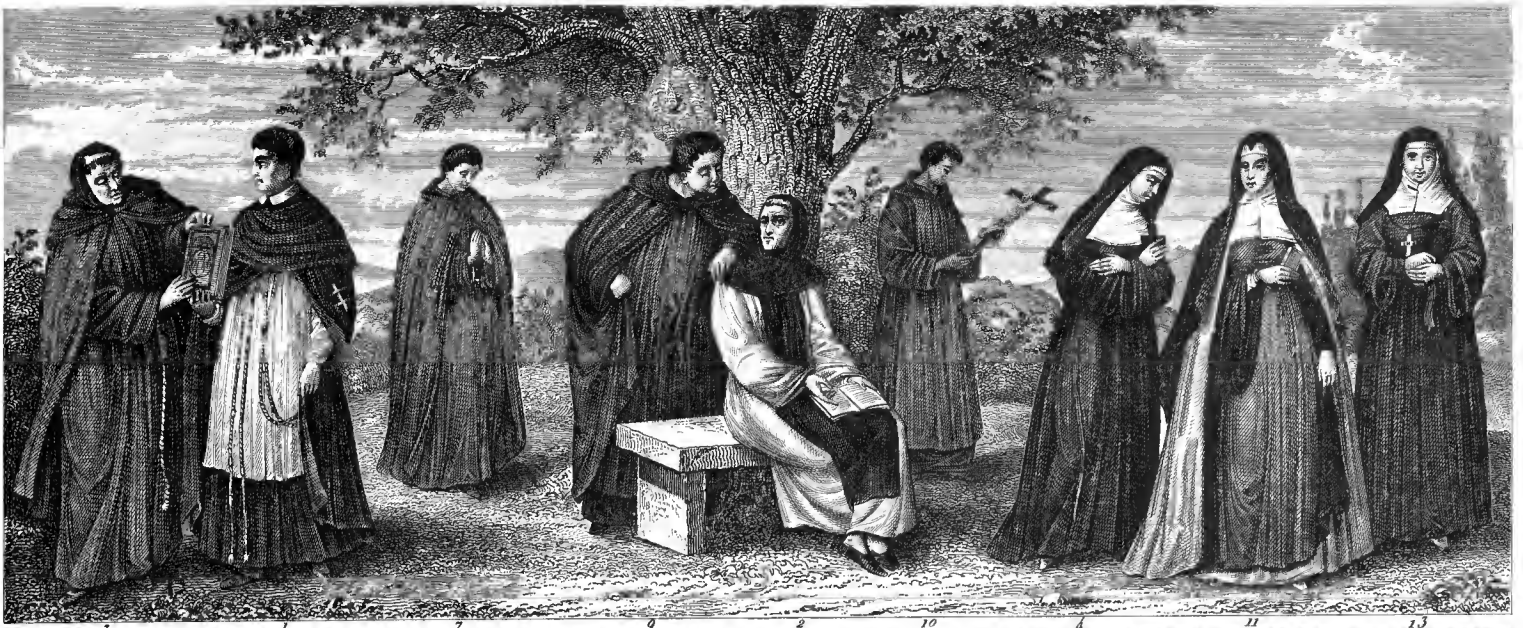
2

1





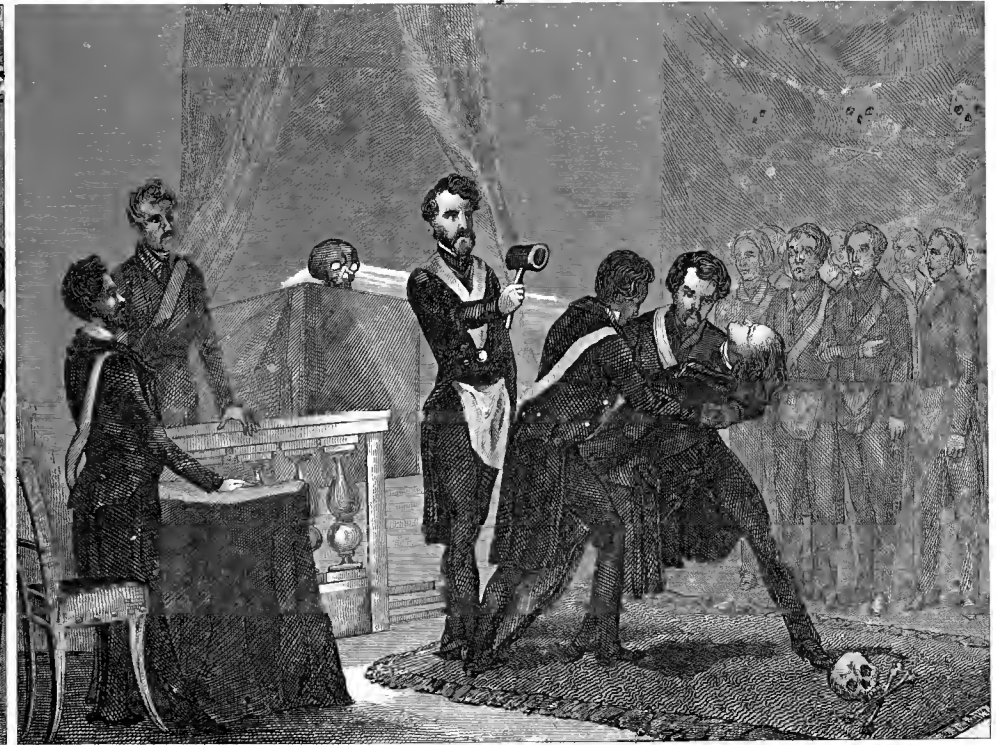
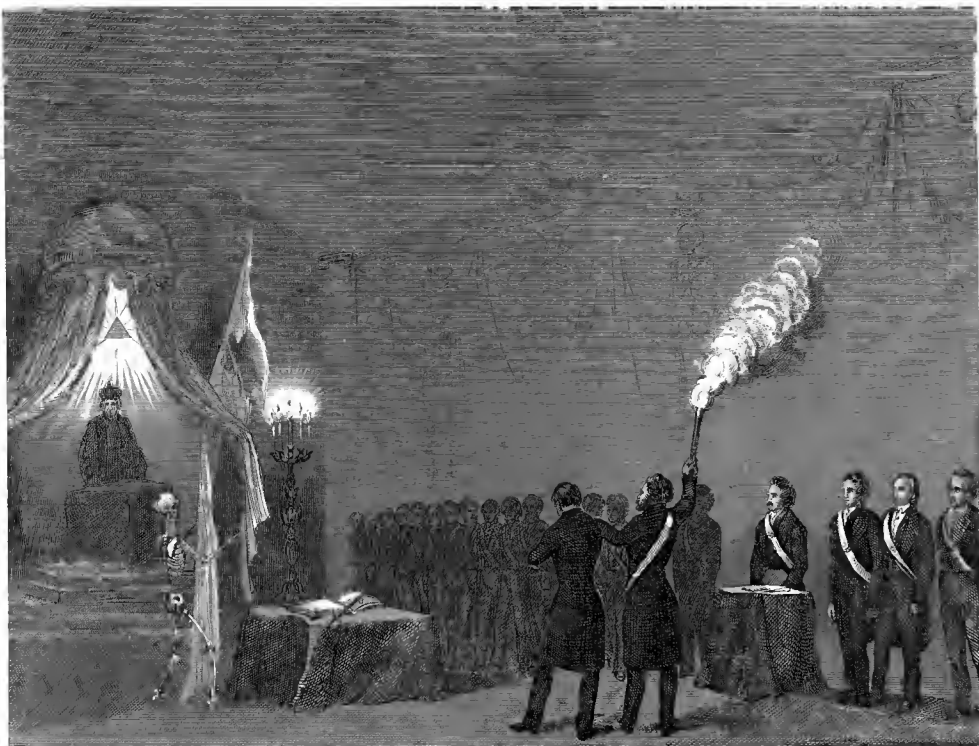
















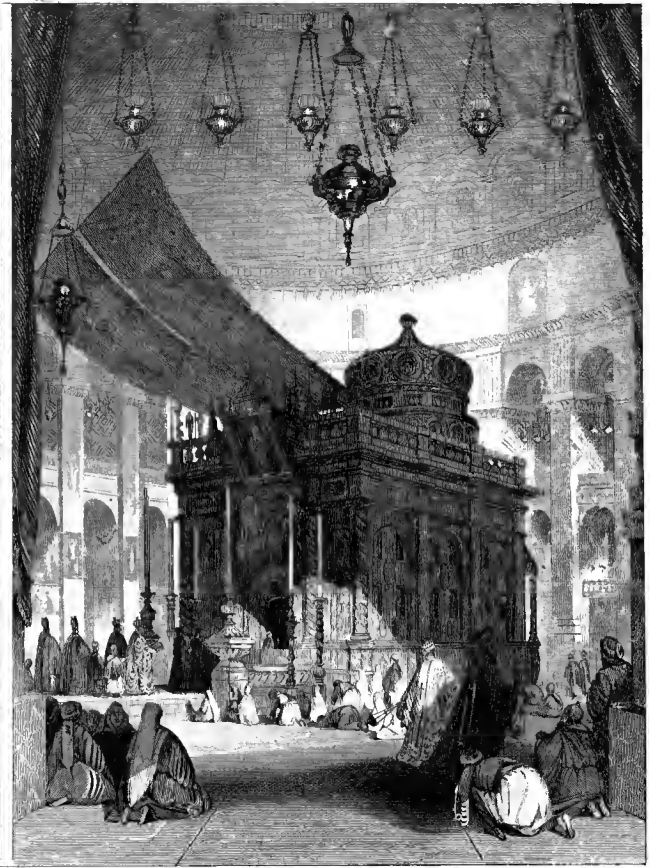
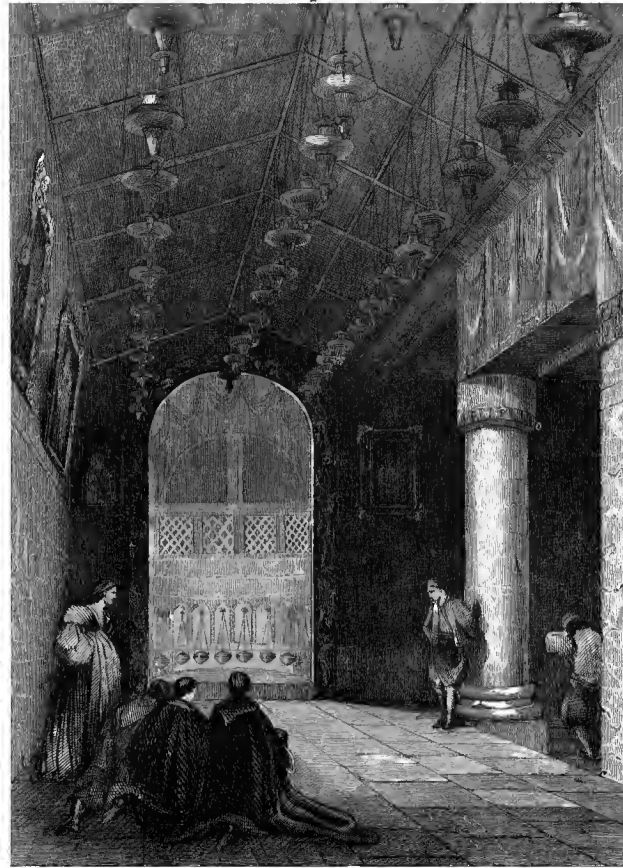
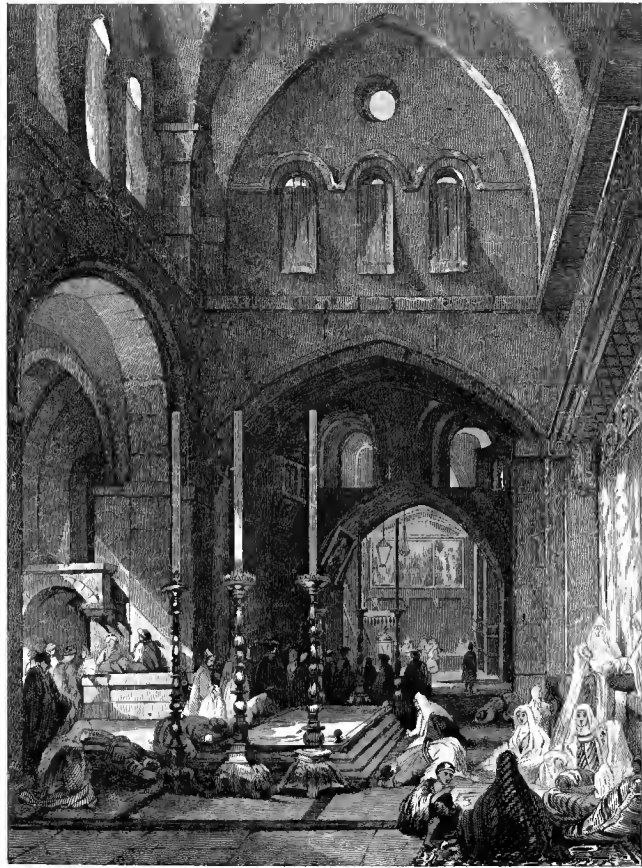
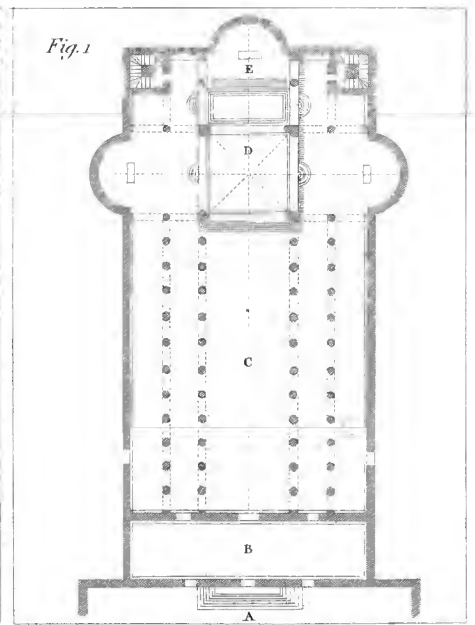
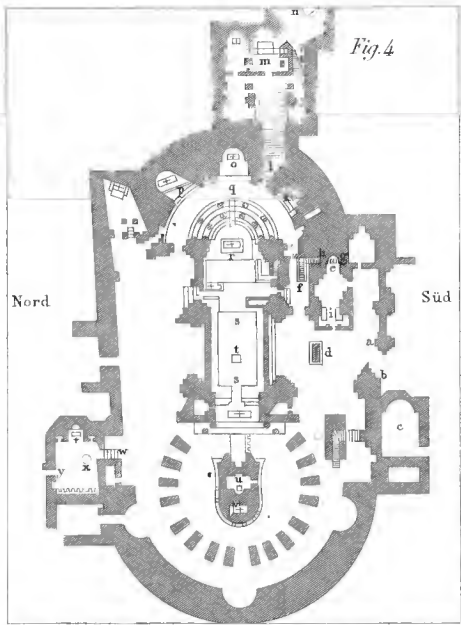










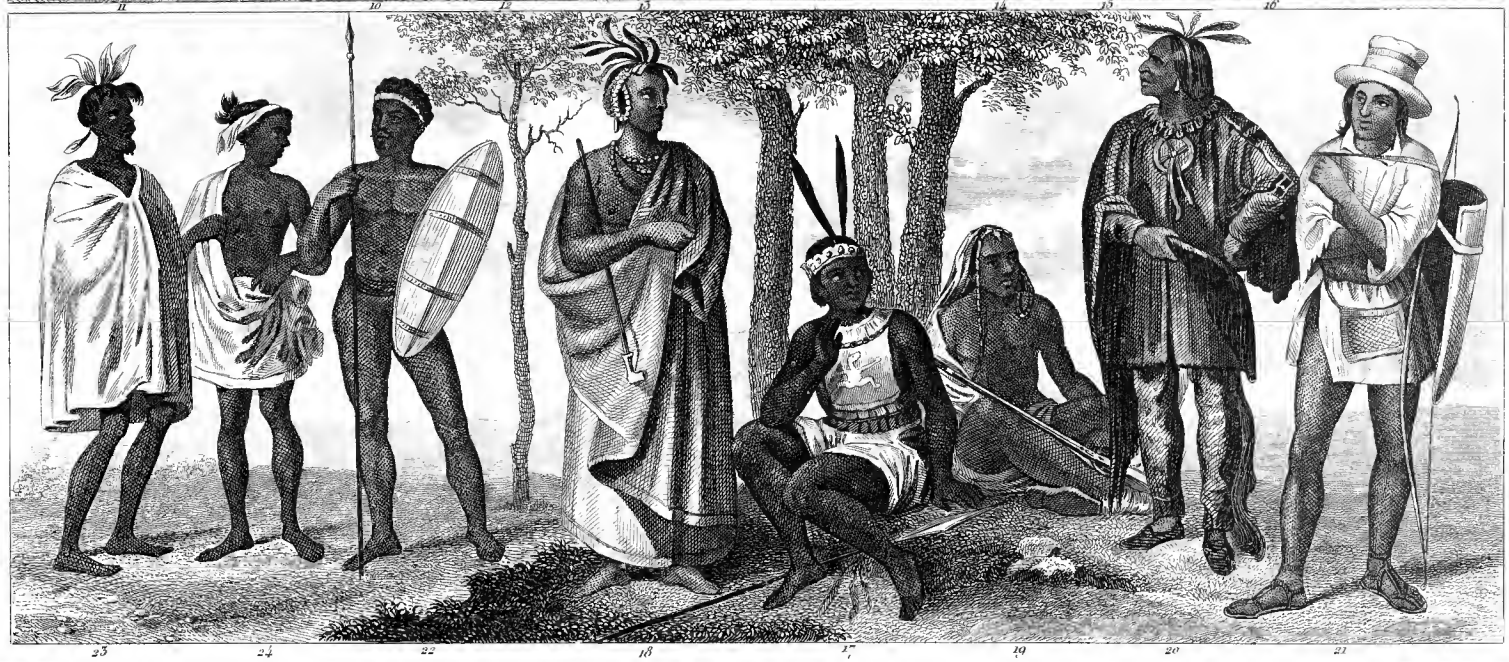
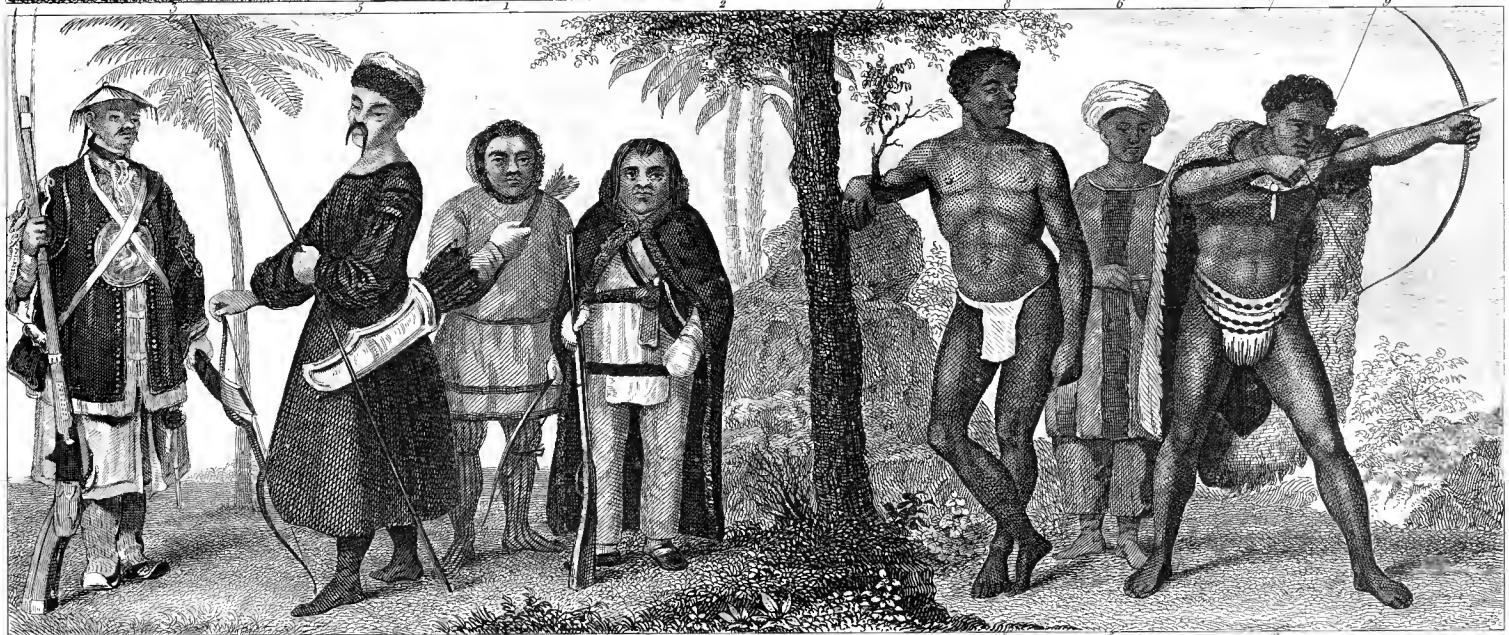


5

5

6

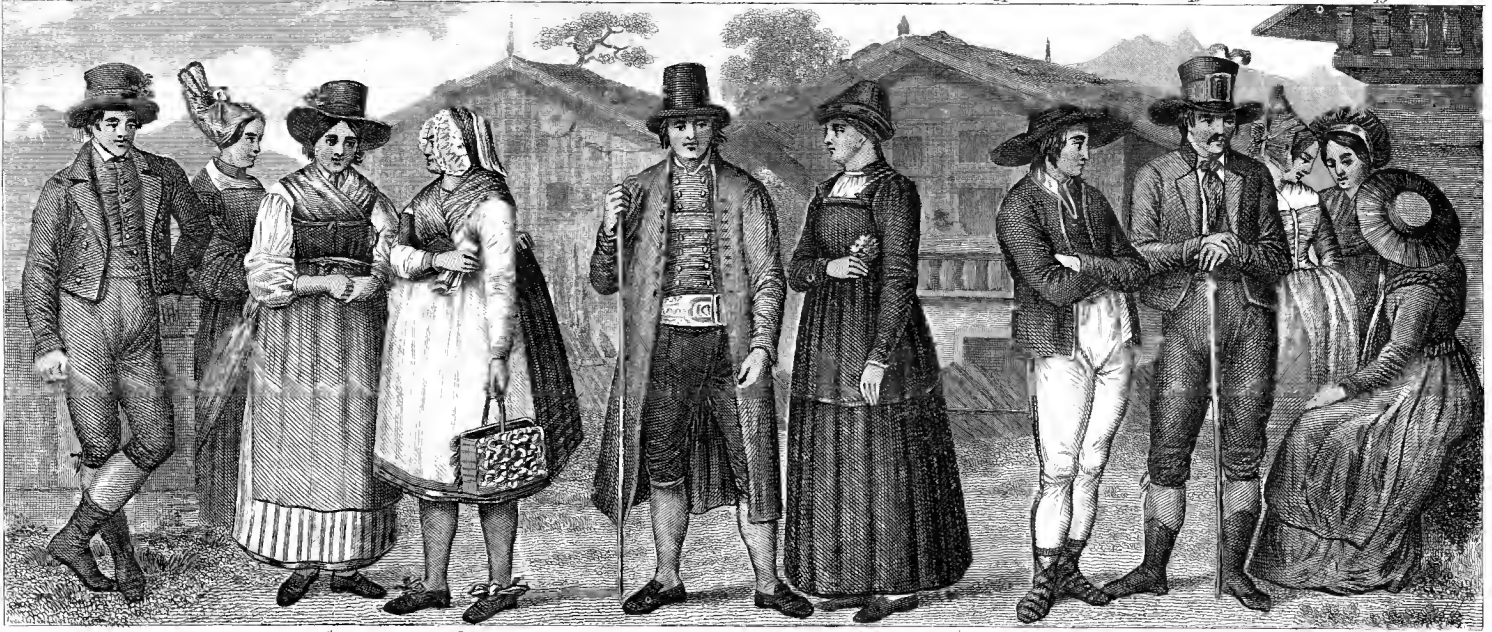




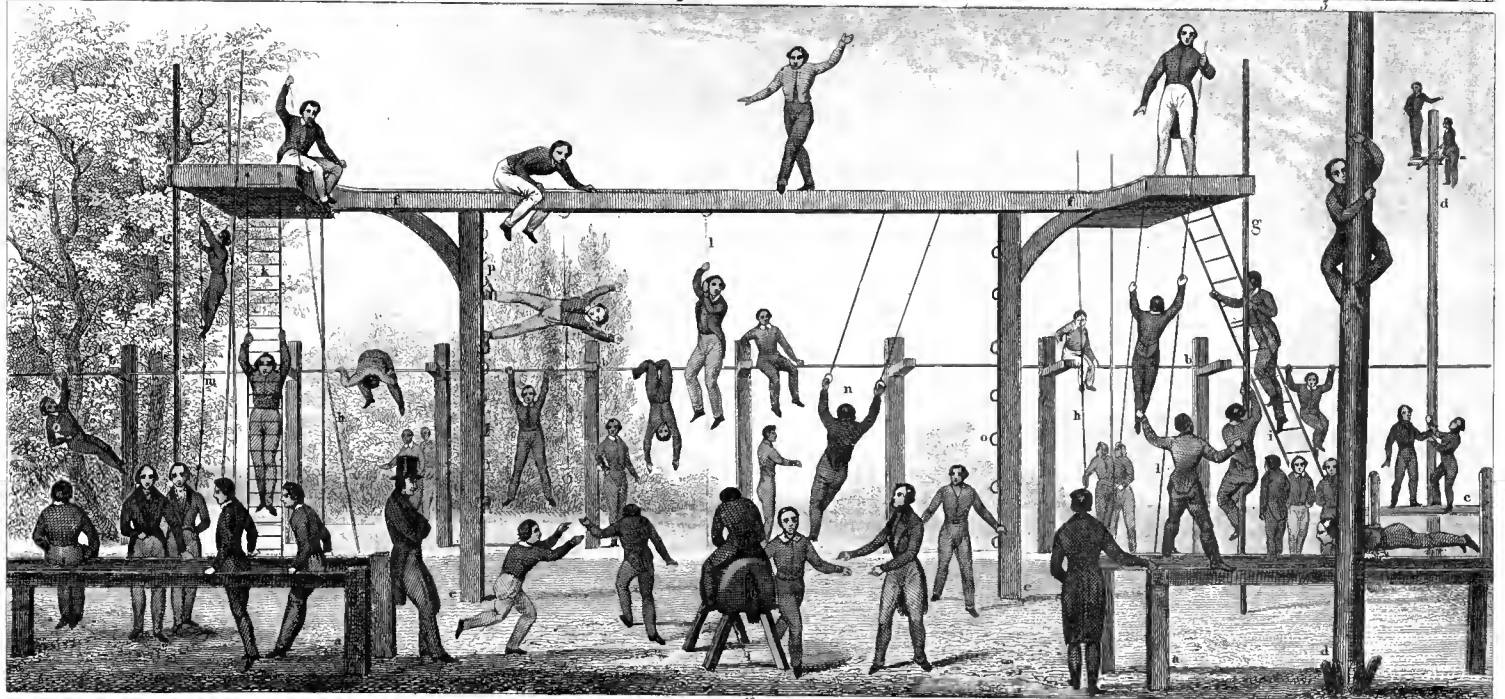
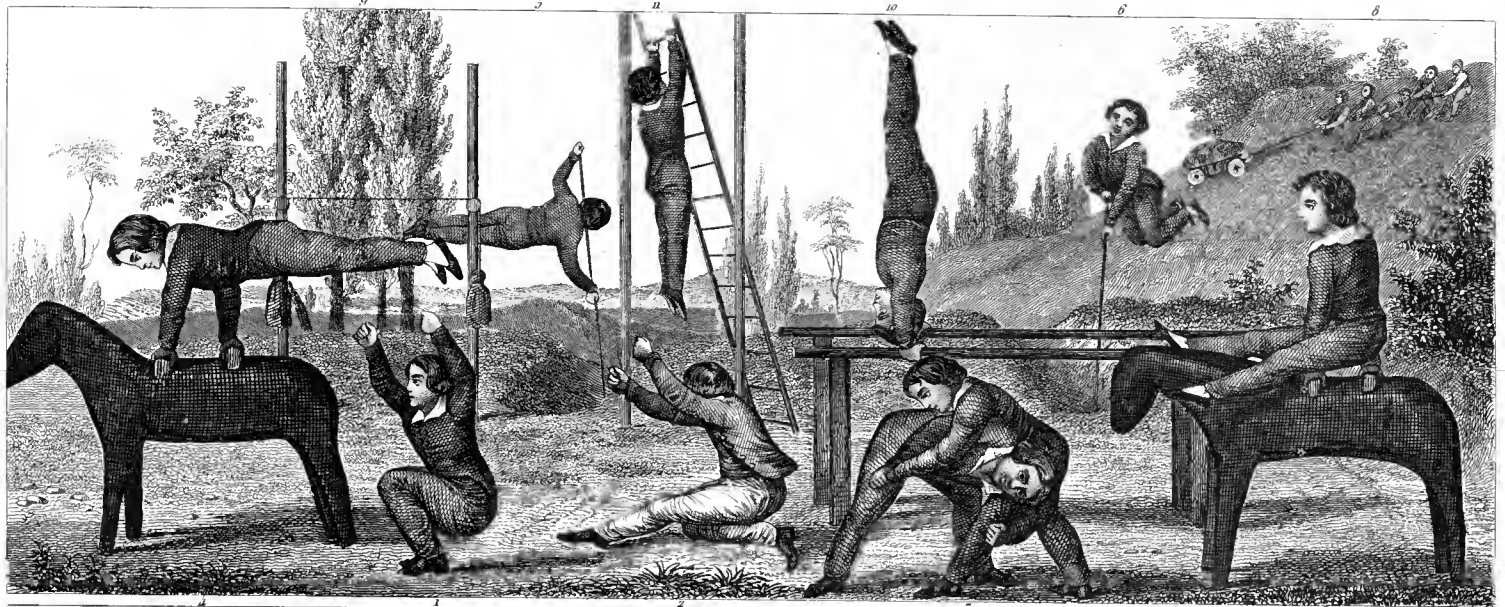




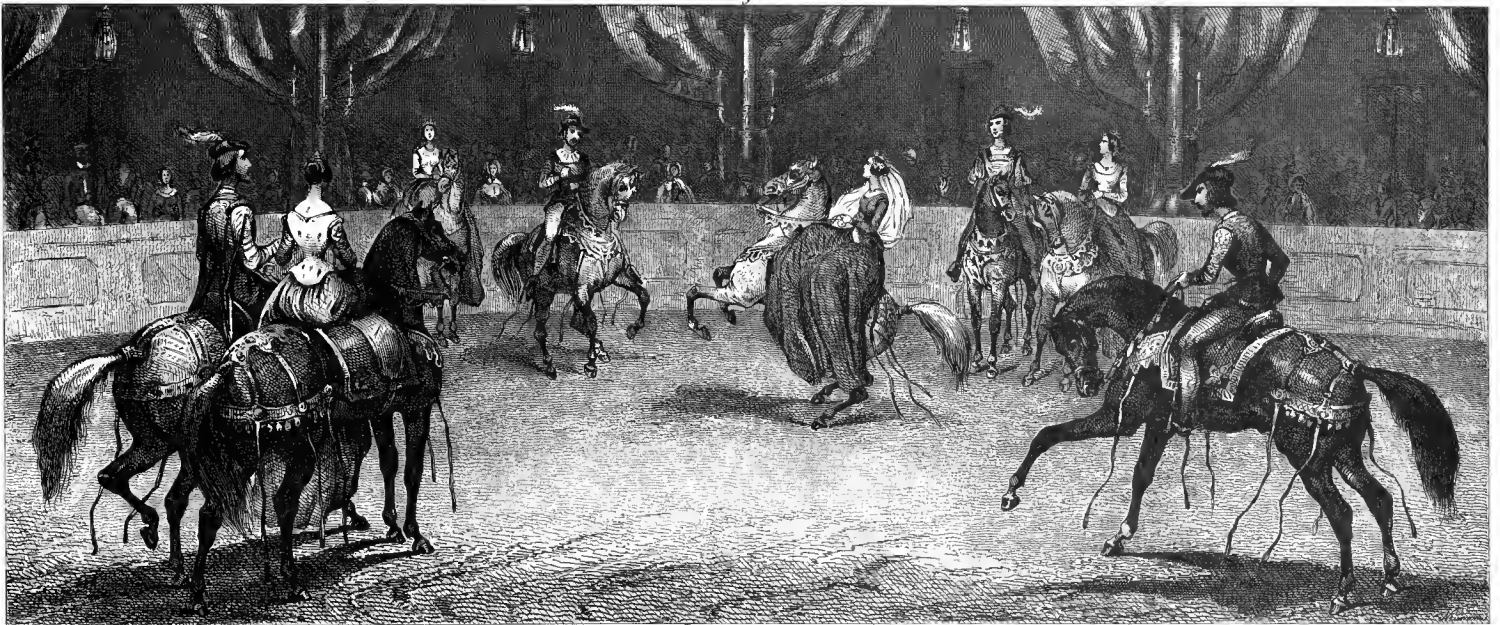
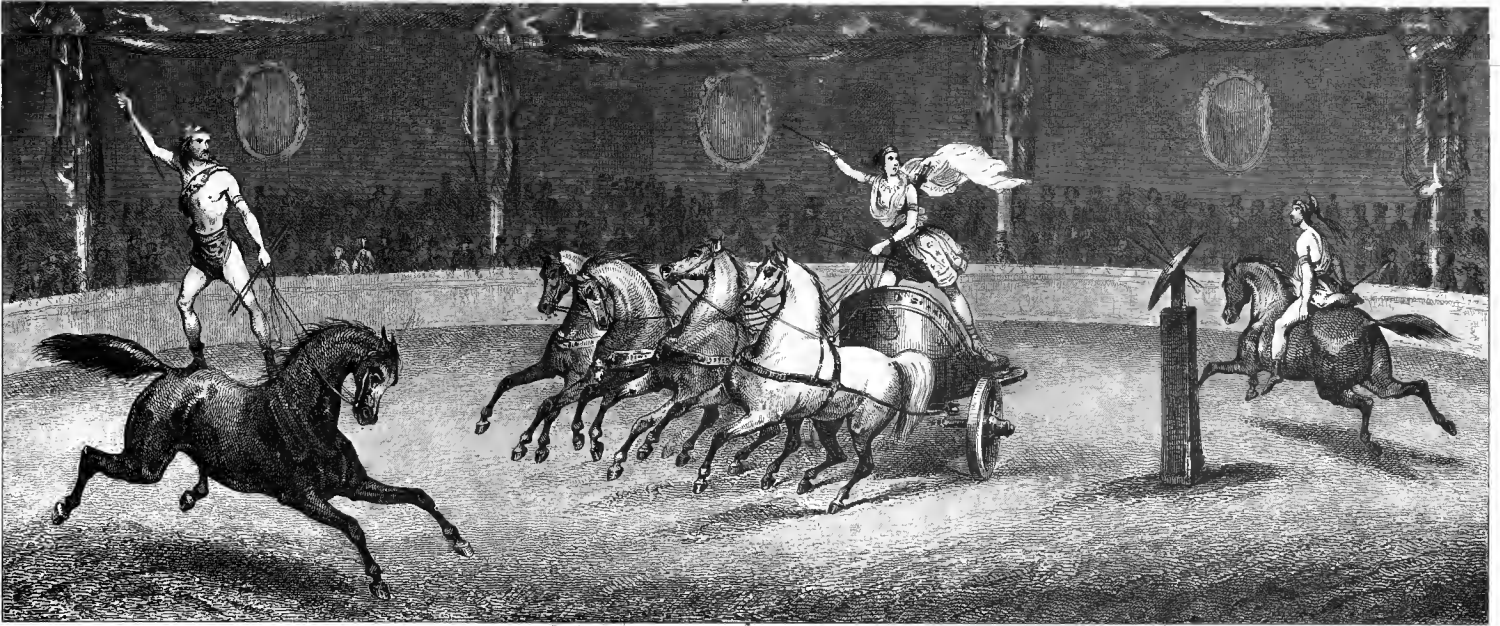




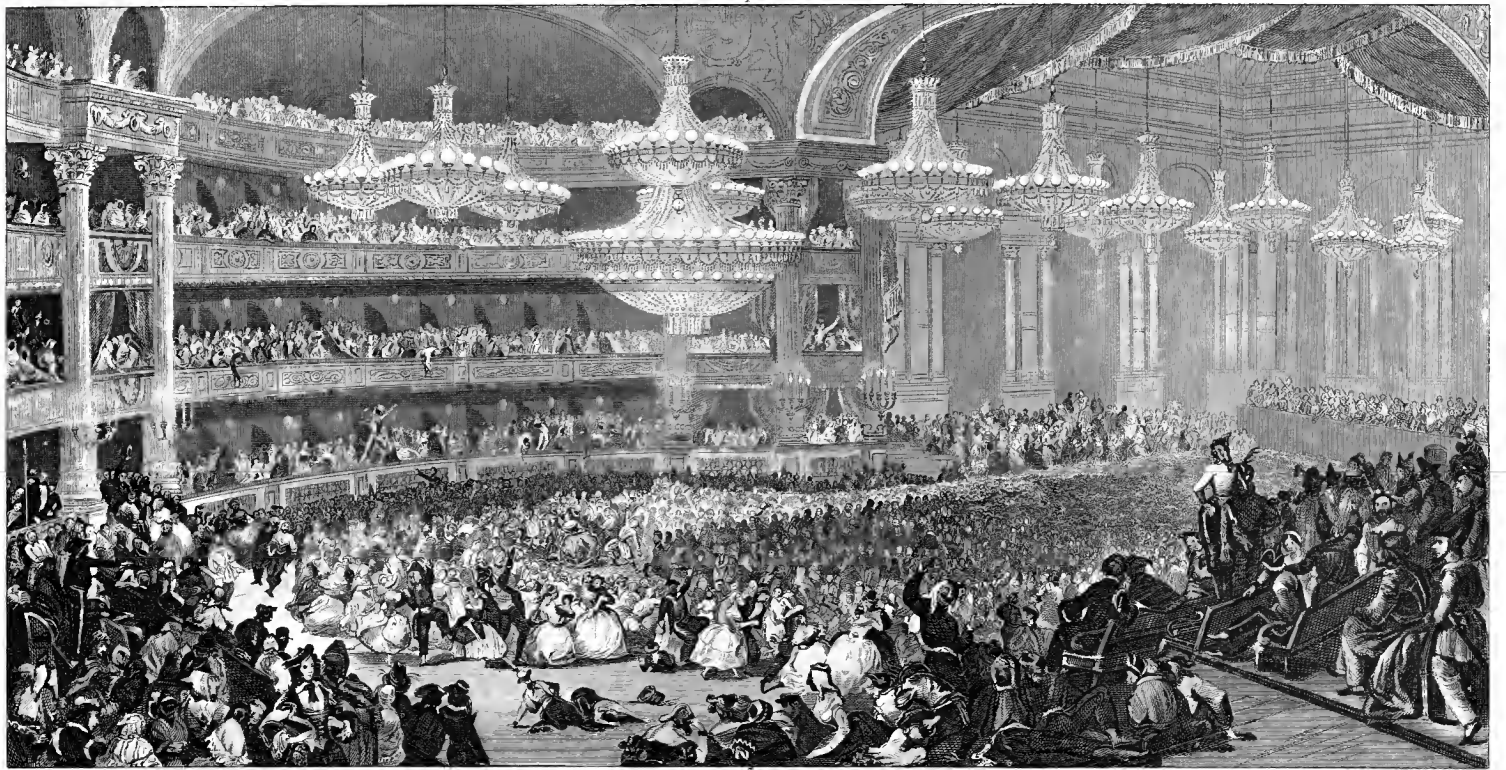
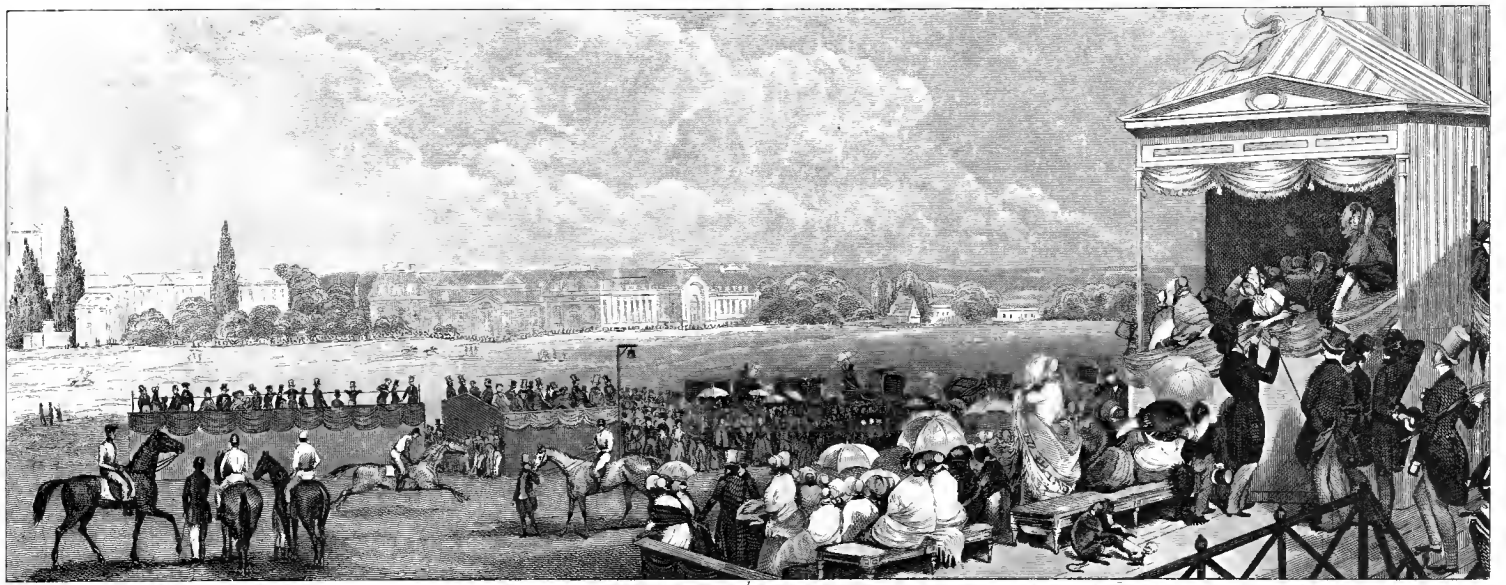




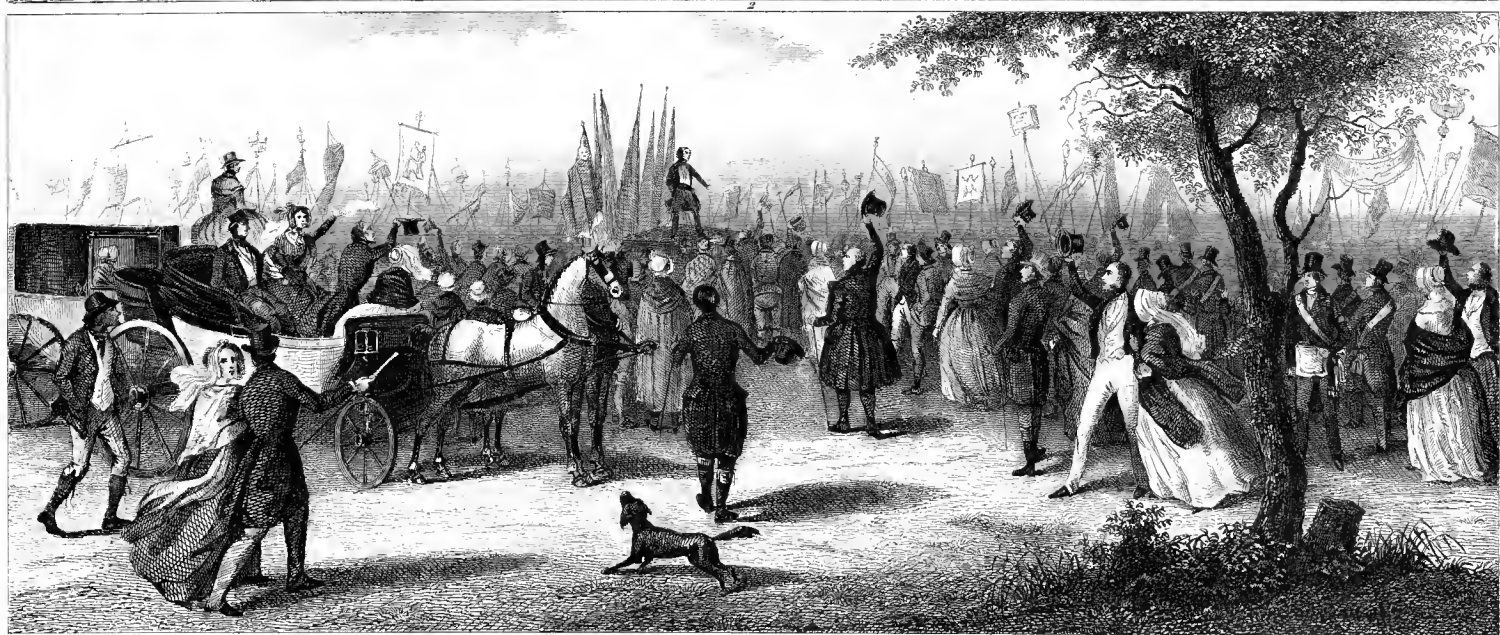
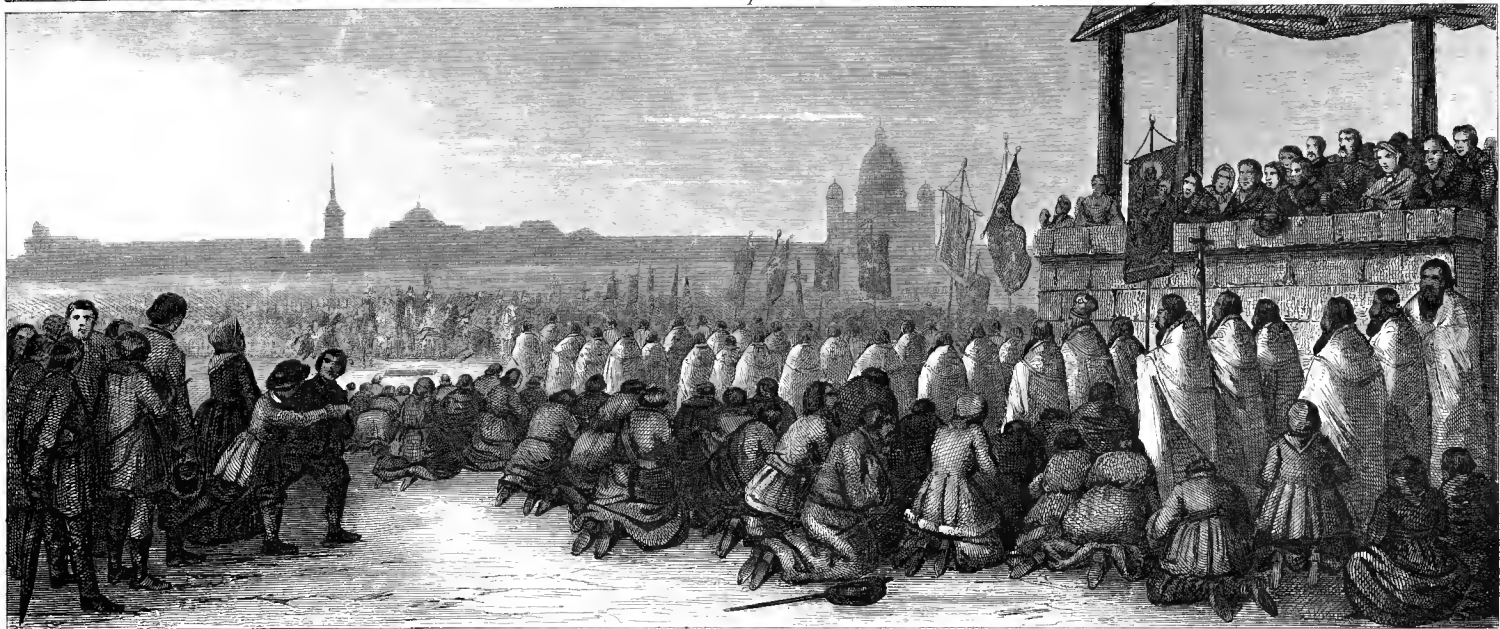




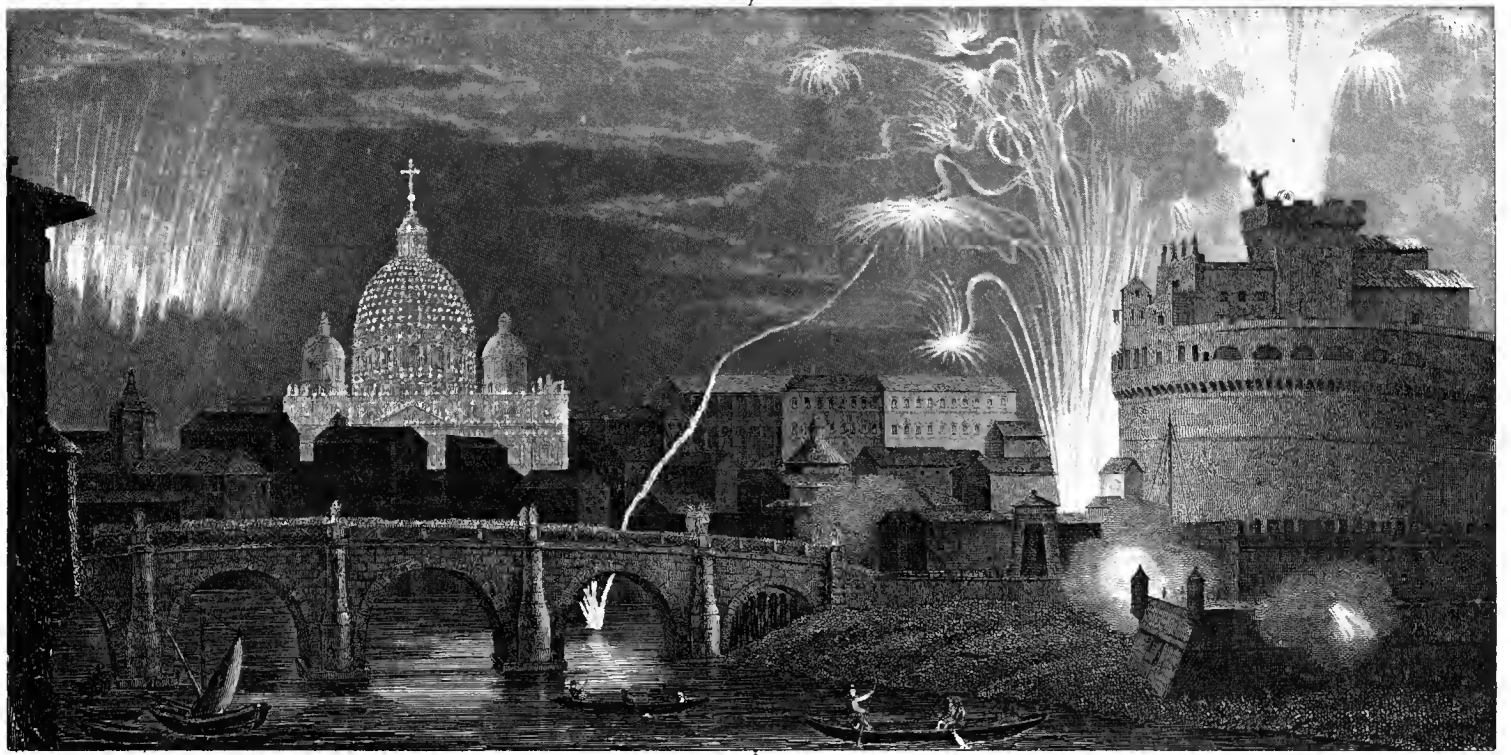
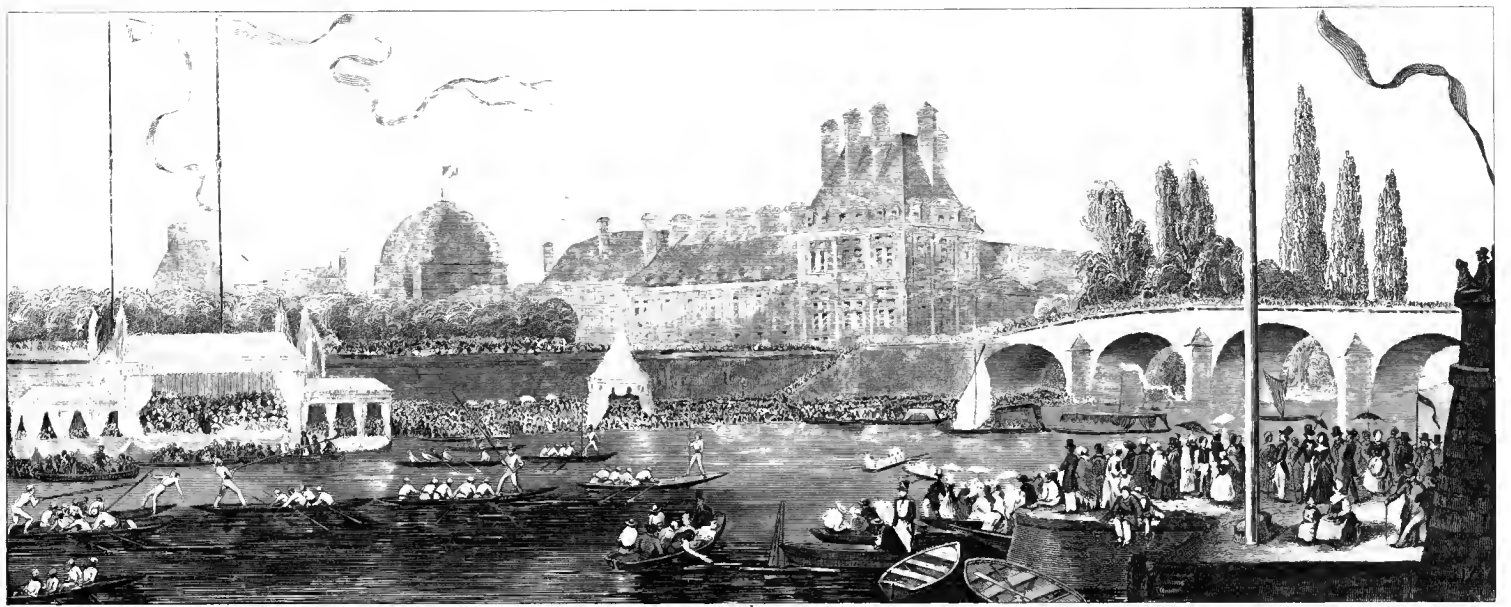




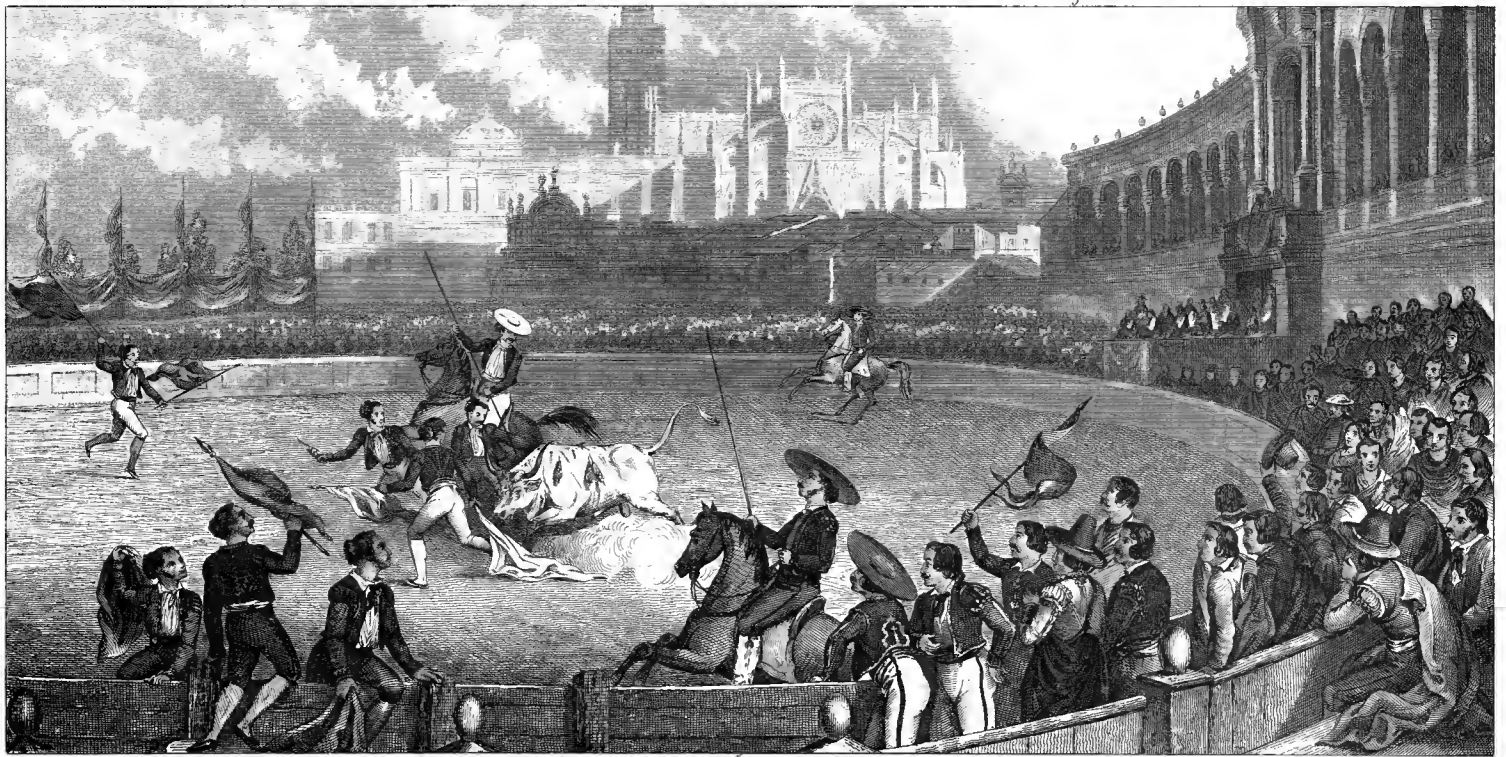




















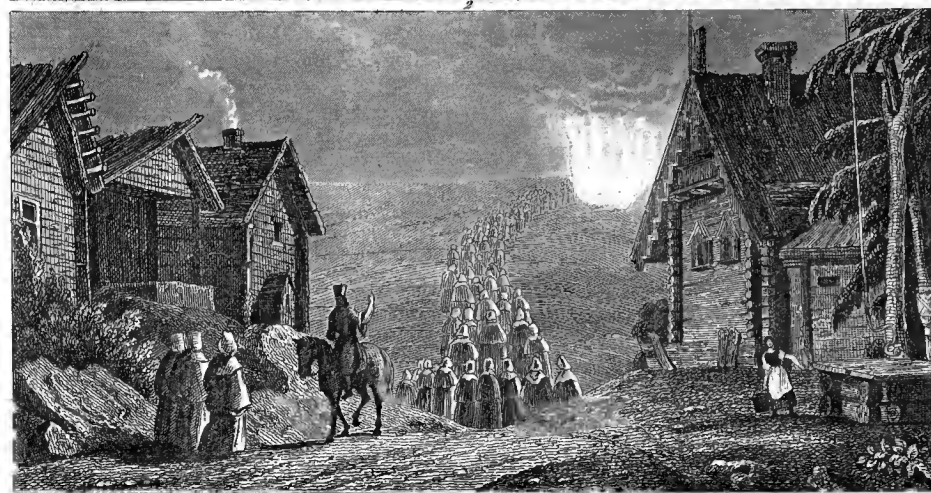
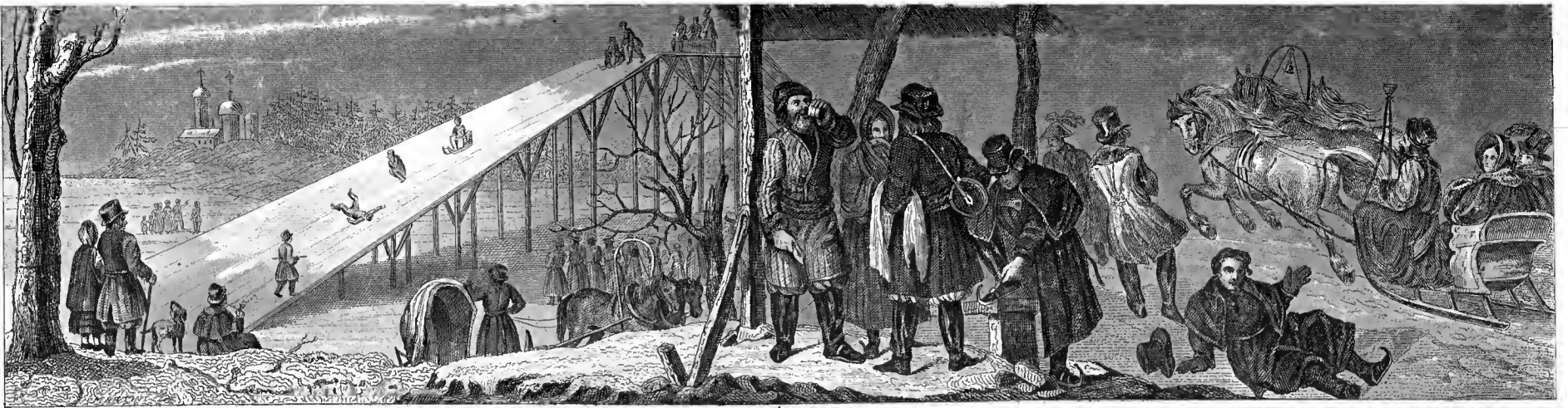
3



4

4

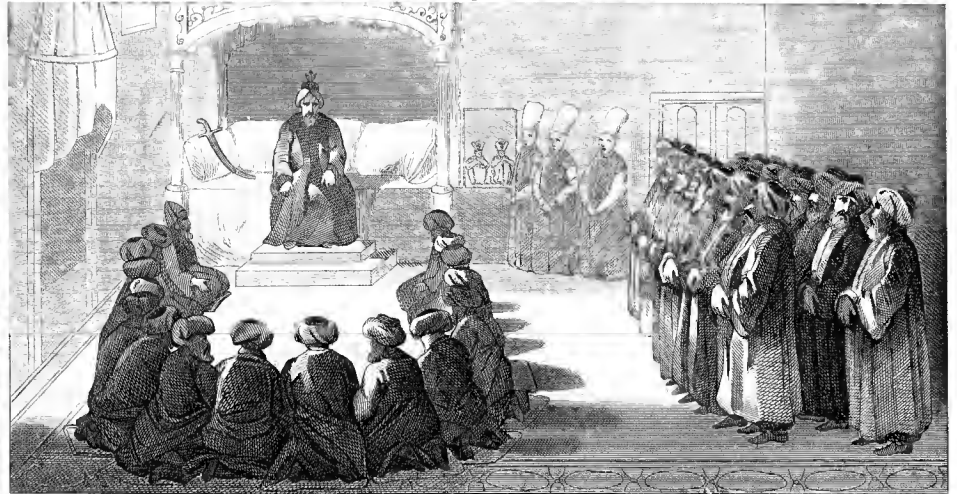
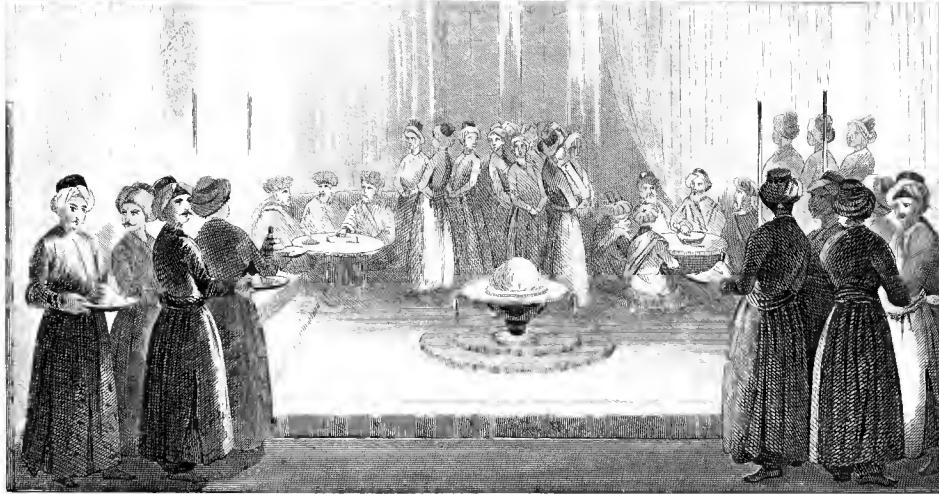
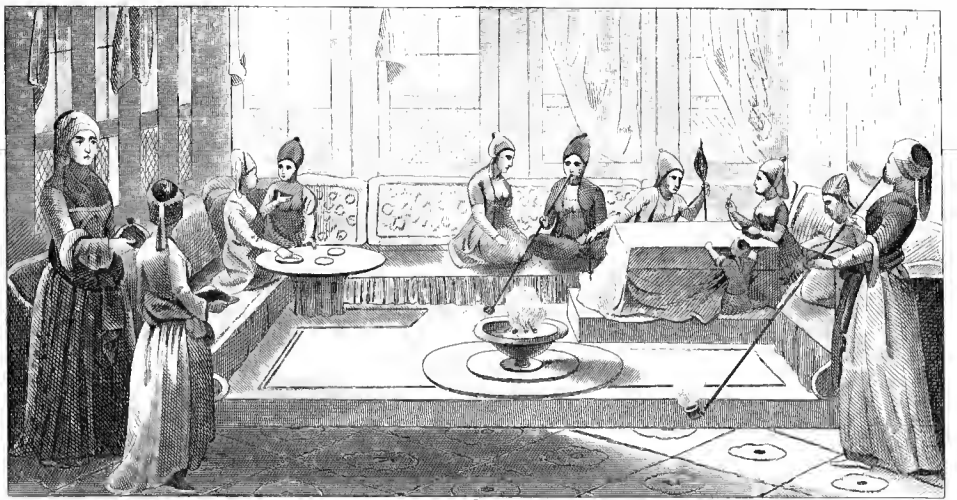
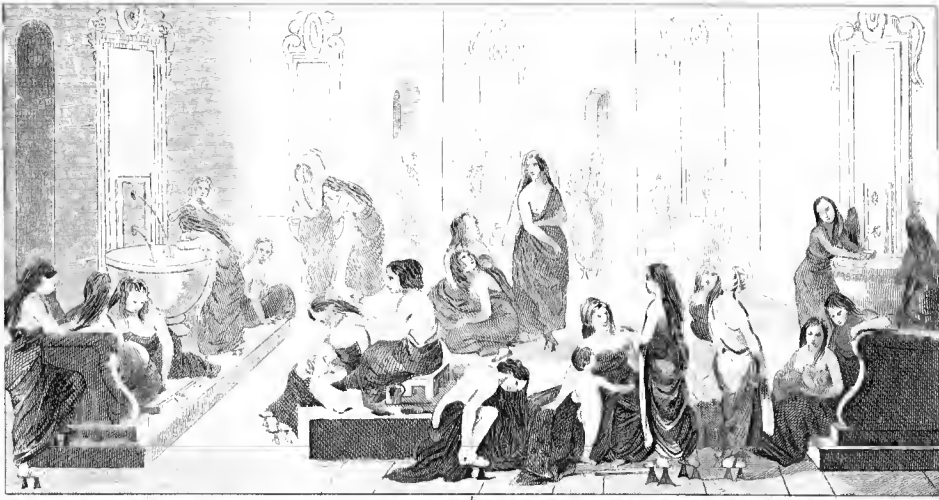












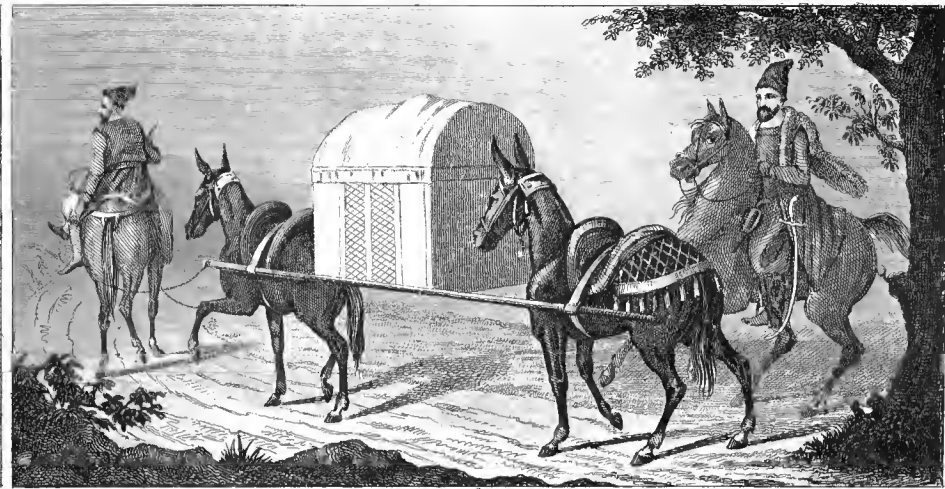










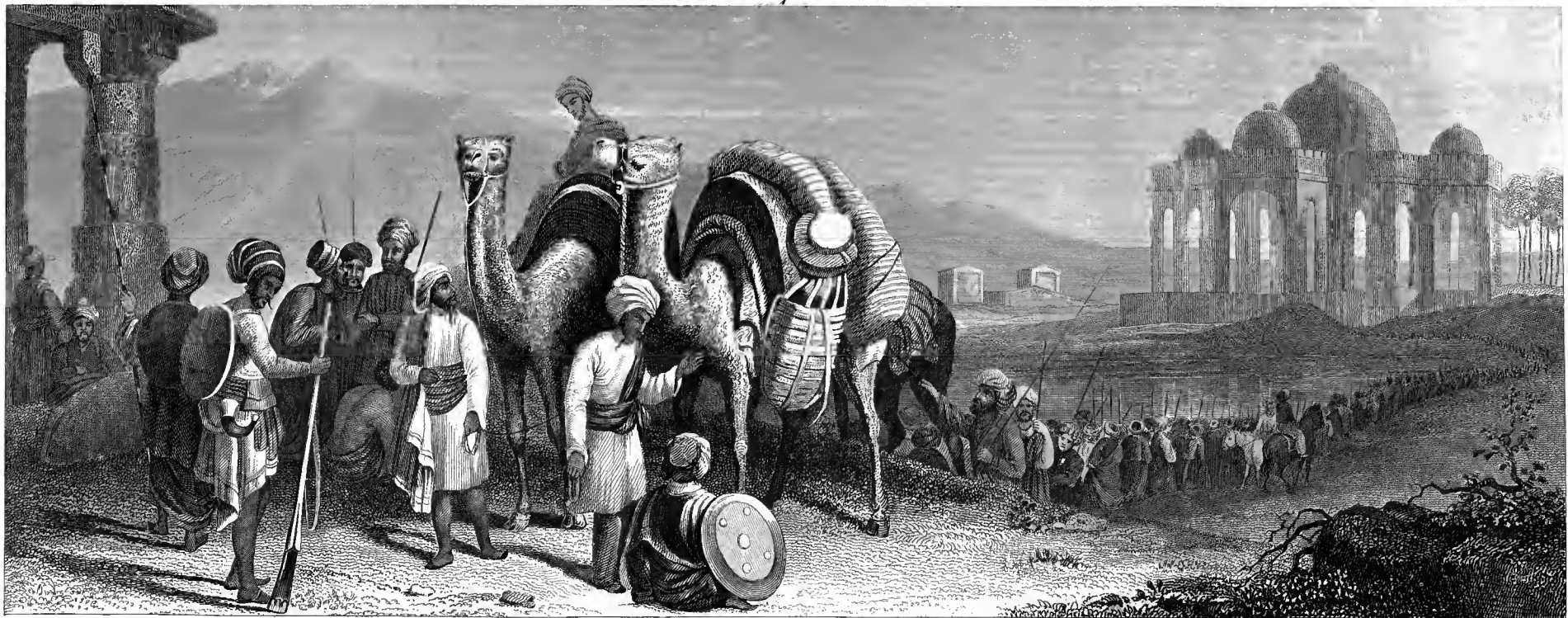


5

6

7

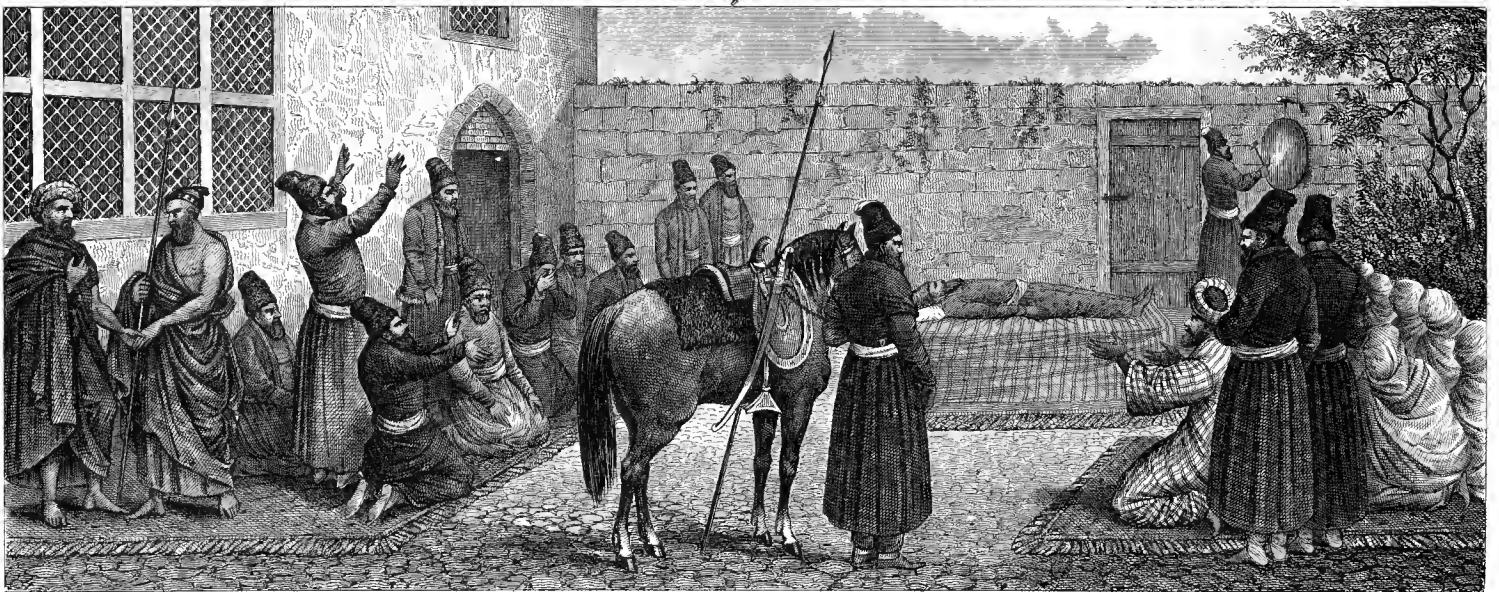




















15

16

17

18

19







